R 27134

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30-31	SUPERELEVATION DETAILS
32	TYPICAL MAINLINE SECTIONS & DETAILS
33	TYPICAL APPROACH DETAILS
34	TYPICAL MAILBOX APPROACH DETAILS
35	MISCELLANEOUS DETAILS & GENERAL NOTES
36	MAILBOX APPROACH TABLES
37-38	PAVEMENT QUANTITIES AND APPROACH TABLE
39-42	STRUCTURE DATA SHEET
43	EROSION CONTROL DETAILS & GENERAL NOTES
44	EROSION CONTROL TABLES
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50-378	CROSS SECTIONS

INDIANA DEPARTMENT OF TRANSPORTATION

TRAFFIC DATA	
A.A.D.T. (2002)	6410 vpd
A.A.D.T. (2024) projected	9040 vpd
D.H.V (2024)	8 %
DIRECTIONAL DISTRIBUTION	50 %
TRUCKS	1% D.H.V. 2 % A.A.D.T.
DESIGN DATA	
DESIGN SPEED	55 mph
PROJECT DESIGN CRITERIA	
FUNCTIONAL CLASSIFICATION	Rural Major Collector
RURAL/URBAN	Rural
TERRAIN	
ACCESS CONTROL	

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

ROUTE: **SR 19**

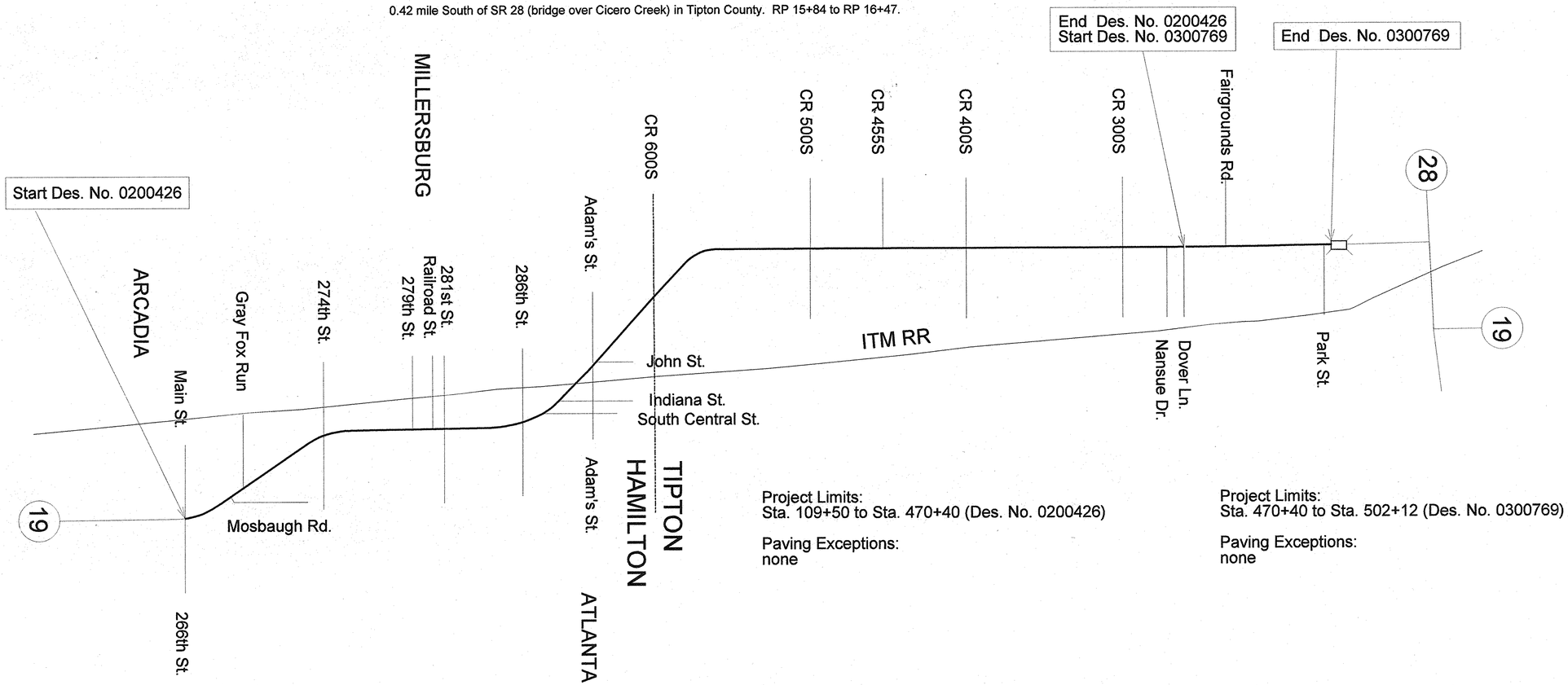
PROJECT NO. STP-4729(003)

ST-XX-x( ) P.E.
ST-XX-x( ) R/W
ST-XX-x( ) CONST.

NO ADDITIONAL RIGHT-OF-WAY REQUIRED FOR THIS PROJECT

RRR project on SR19 from 9.03 miles North of SR32 (Main St. in Arcadia) in Hamilton County to 1.05 miles South of SR28 (Dover Rd.) in Tipton County. RP 9+03 to RP 15+84.

Preventive Maintenance project on SR 19 from 1.05 miles South of SR 28 (Dover Rd.) to 0.42 mile South of SR 28 (bridge over Cicero Creek) in Tipton County. RP 15+84 to RP 16+47.

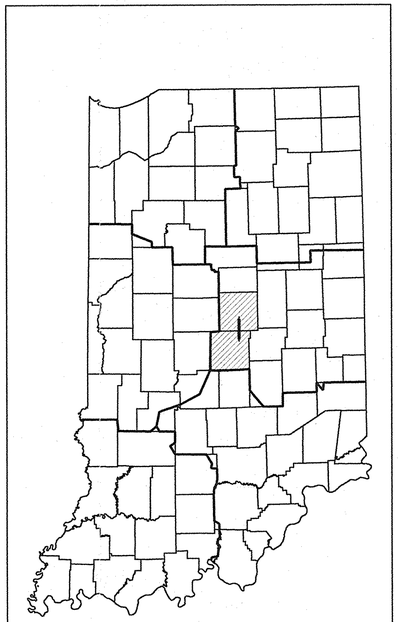


Project Limits:
Sta. 109+50 to Sta. 470+40 (Des. No. 0200426)

Paving Exceptions:
none

Project Limits:
Sta. 470+40 to Sta. 502+12 (Des. No. 0300769)

Paving Exceptions:
none



PROJECT LOCATION SHOWN BY

Hamilton & Tipton Counties

LATITUDE: 40°13'04" LONGITUDE: 86°02'10"

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 1999
TO BE USED WITH THESE PLANS

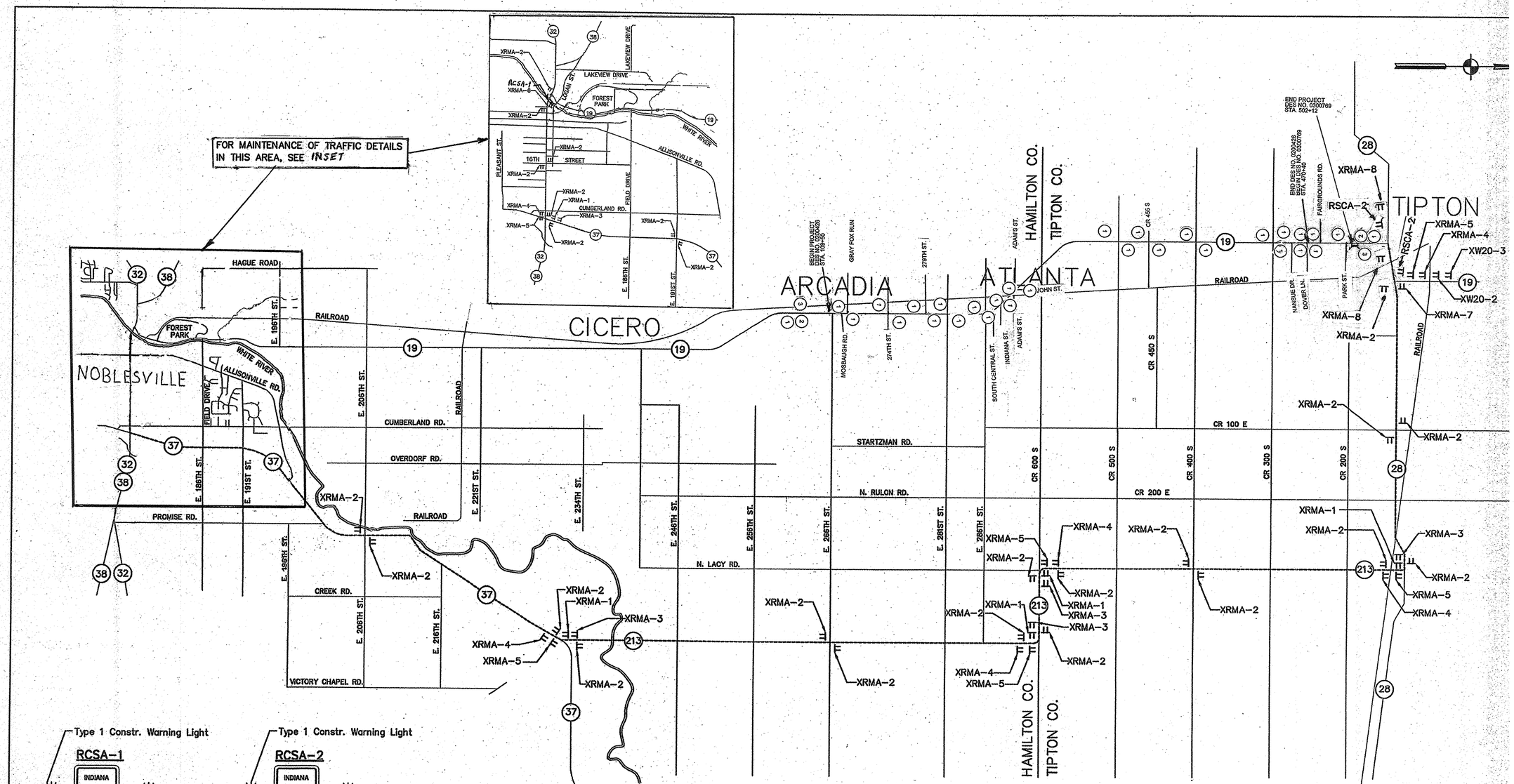
REVISIONS	
DATE	SHEET NO.
5/10/05	1 - TITLE SHEET
5/10/05	43 - EROSION CONTROL DETAIL & GENERAL NOTES
5/10/05	44 - EROSION CONTROL TABLES (new)

JOHN A. FORD REGISTERED No. 10404077 STATE OF INDIANA PROFESSIONAL ENGINEER

PLANS PREPARED BY: John A. Ford, PE — John A. Ford — 5/17/05 DATE
CERTIFIED BY: Steven D. Boyer, Head Design Engineer — 5/15/05 DATE
APPROVED FOR LETTING: Robert E. Rebling, Development Engineer — Robert E. Rebling 5/18/05 DATE

BRIDGE FILE	
NA	
DESIGNATION	
0200426, 0300769	

SURVEY BOOK	SHEETS		
District Survey	1	of	378
CONTRACT	PROJECT		
R-27134	SR 19		



(A) Barricade, Type III-A
(B) Barricade, Type III-B
---------- Detour Route

(1) Construction Sign XW20-1 — ROAD CONSTRUCTION AHEAD

(2) Construction Sign XG20-1 — ROAD CONSTRUCTION NEXT ( ) MILES

(3) Construction Sign XG20-2 — END CONSTRUCTION

STEVEN D. BOLER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5/24/05

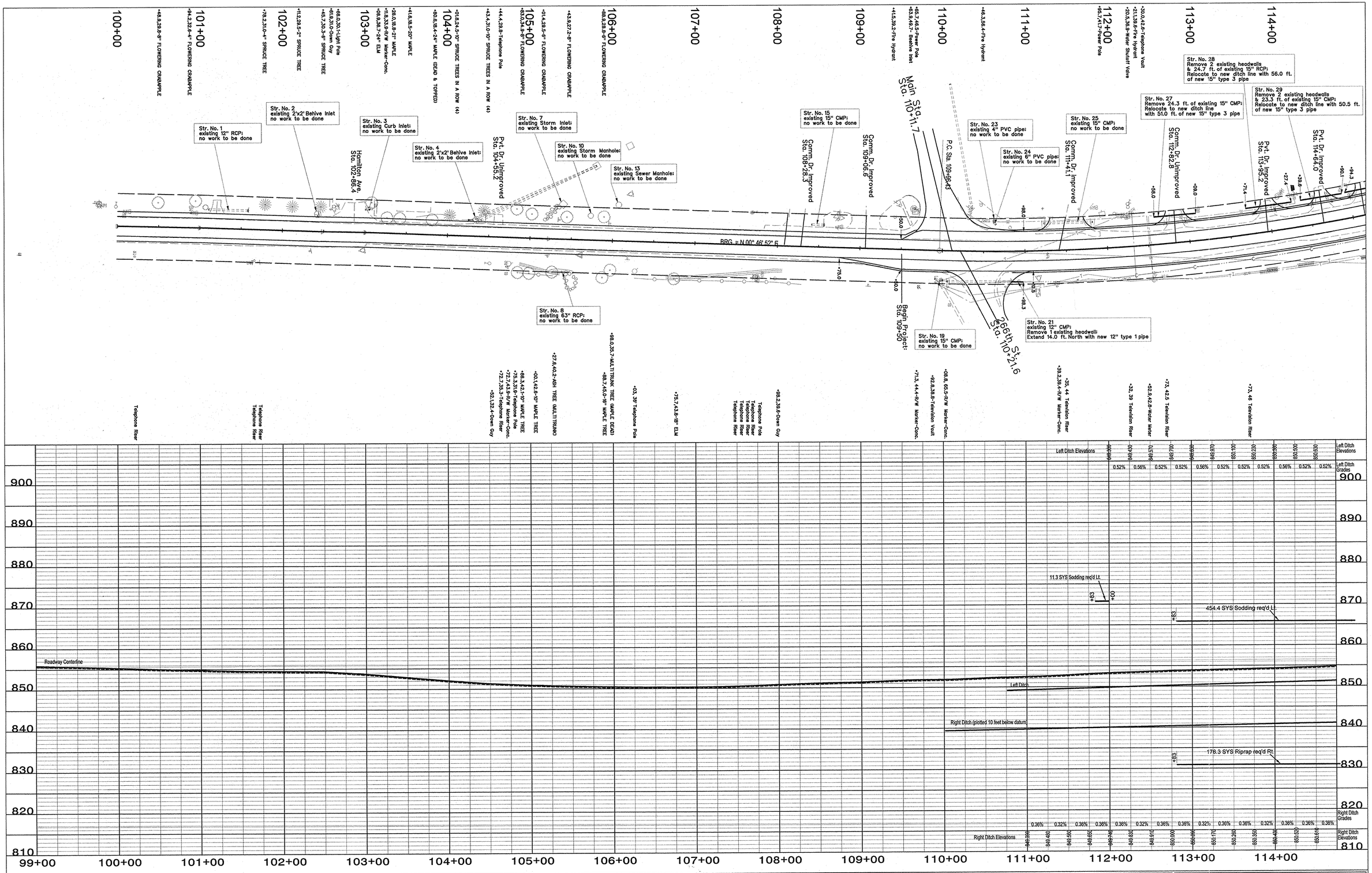
DESIGNED: | DRAWN:
CHECKED: | CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

S.R. 19 MAINTENANCE OF TRAFFIC

HORIZONTAL SCALE 1:4000	BRIDG
VERTICAL SCALE NONE	DESIG 0200
SURVEY BOOK	SH 2 1
CONTRACT R-27134	PRO SR

FILE NAME: 00300769_MOT.dgn
USERNAME: s-kbrown
DESIGN Path: G:\Projects\R27230\DRB\MOT\MOT_1.dgn / kbrown
MODULE: MOT



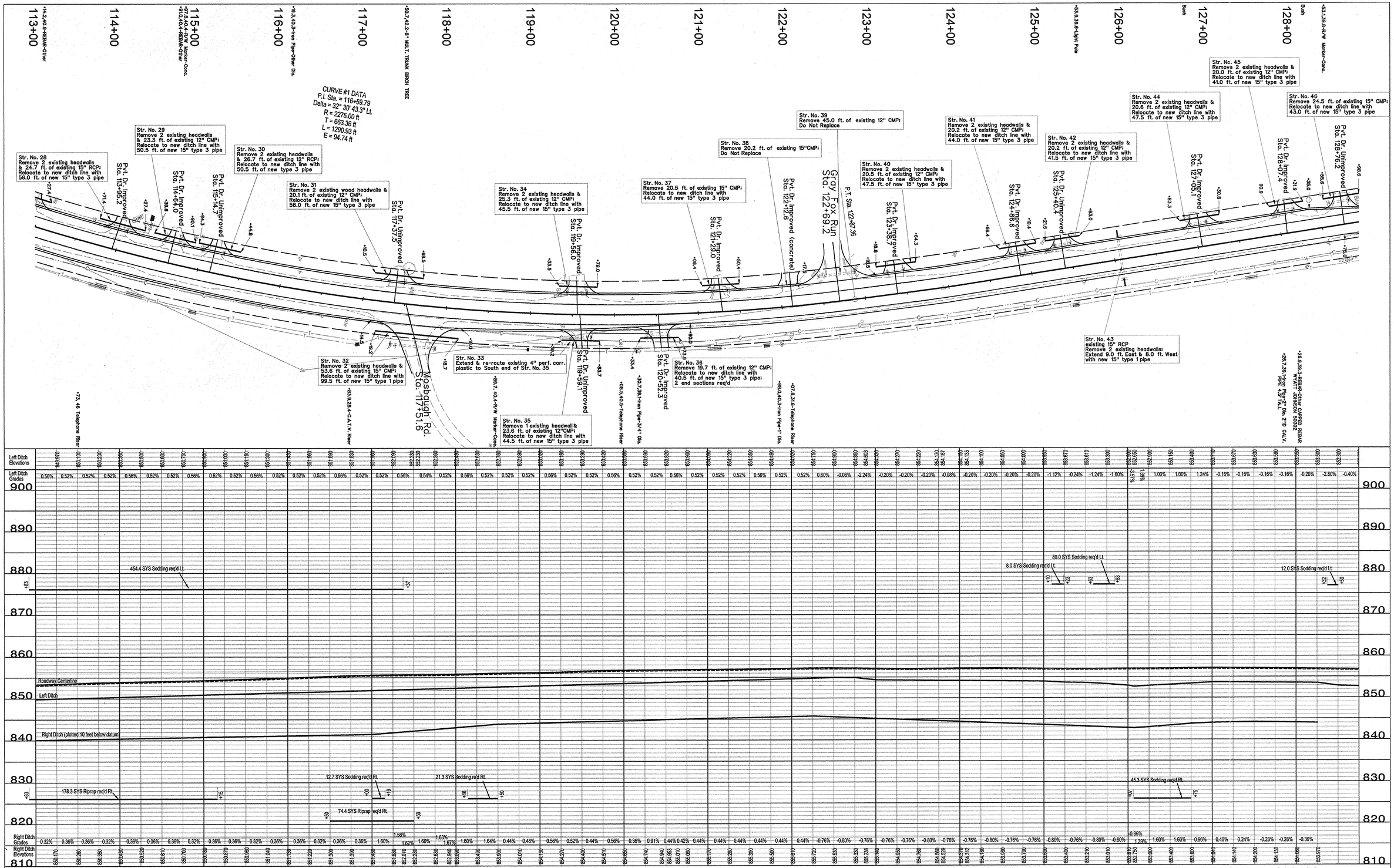
HORIZONTAL SCALE	1" = 50'
VERTICAL SCALE	1" = 10'
BRIDGE FILE	
DESIGNATION	0200426
SURVEY BOOK	
SHEETS	3 of 378
CONTRACT	R-27134
PROJECT	SR 19

STEVEN D. BOYER
REGISTERED
No. 900346
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER
DATE

DESIGNED:
DRAWN:
CHECKED:
CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION



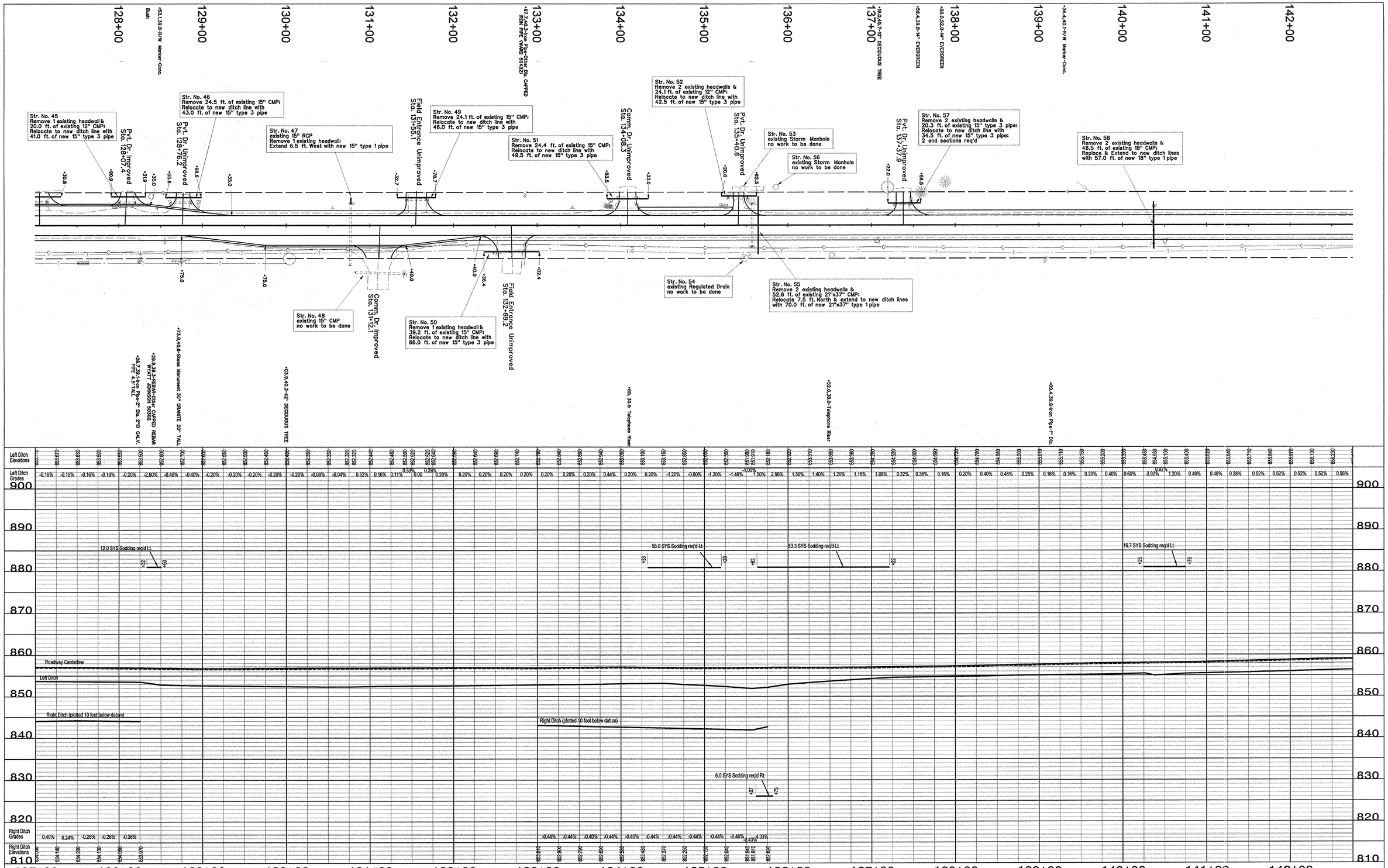
STEPHEN D. BOYER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL 5/10/06
DESIGN ENGINEER DATE

DESIGNED: DRAWN:
CHECKED: CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
1" = 10'	0200426
SURVEY BOOK	SHEETS
	4 of 378
CONTRACT	PROJECT
R-27134	SR 19



STEVEN D. BOYER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER 5/16/05 DATE

DESIGNED: DRAWN:

CHECKED: CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
1" = 10'	0200426
SURVEY BOOK	SHEETS
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CONTRACT	PROJECT
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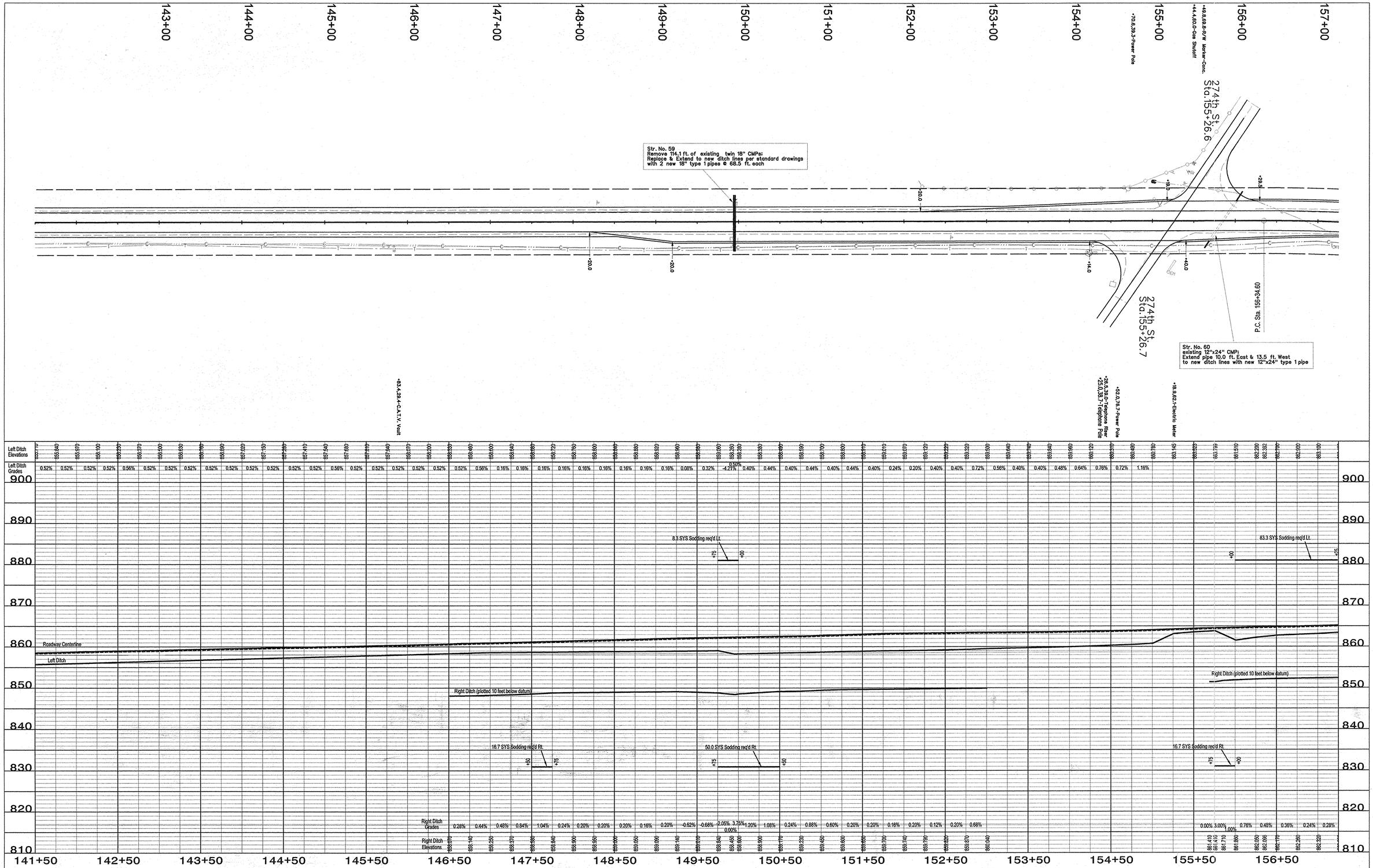


STEVEN D. BOYER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

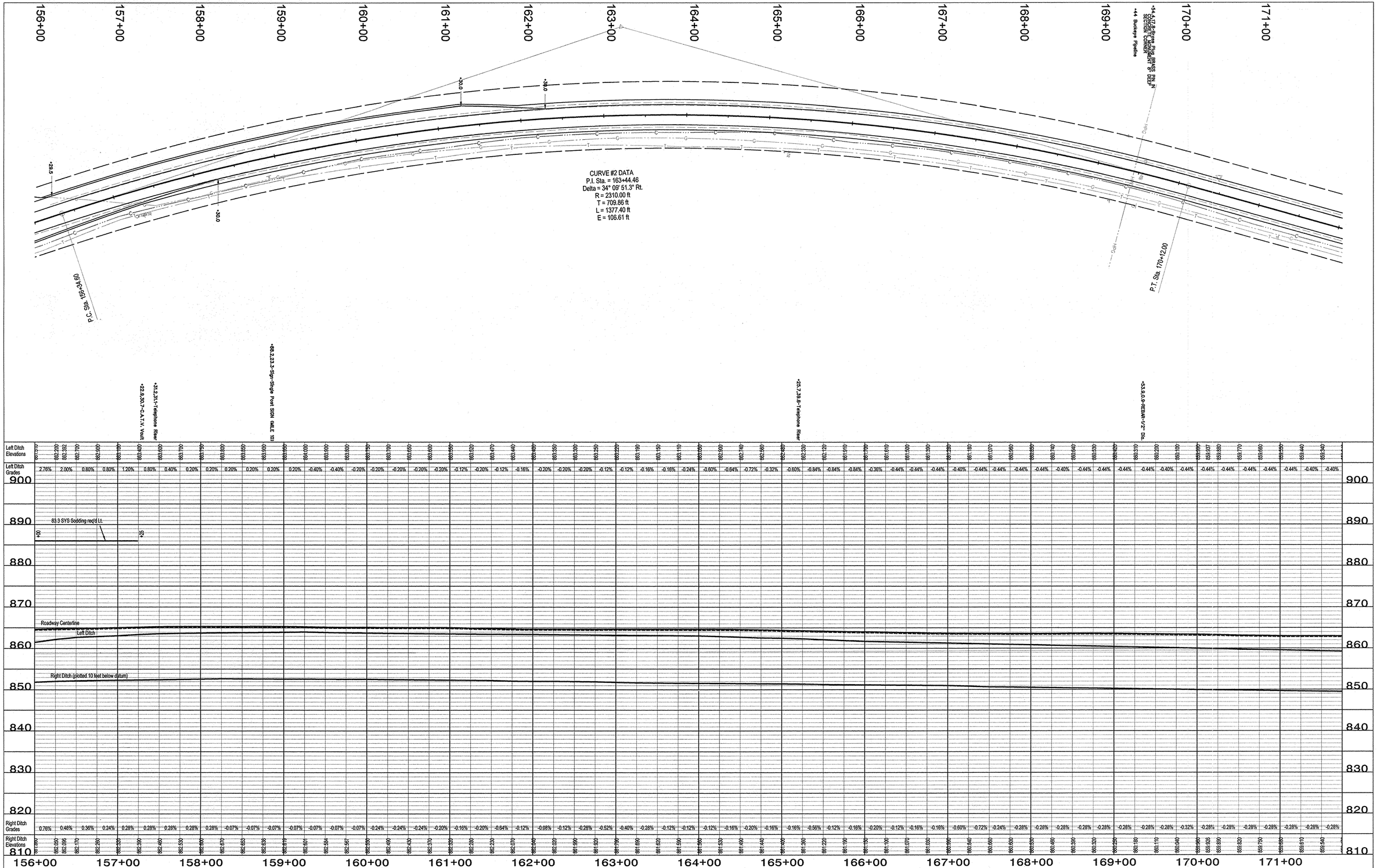
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5/14/05

DESIGNED: DRAWN:

CHECKED: CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
VERTICAL SCALE 1" = 10'	DESIGNATION 0200426
SURVEY BOOK	SHEETS 6 of 378
CONTRACT R-27134	PROJECT SR 19



Left Ditch Grades	Left Ditch Elevations
2.76%	882.200
2.00%	882.392
0.80%	882.700
0.80%	882.900
1.20%	883.100
0.80%	883.400
0.40%	883.600
0.20%	883.700
0.20%	883.800
0.20%	883.850
0.20%	883.900
0.20%	883.950
-0.40%	884.000
-0.40%	883.900
-0.20%	883.800
-0.20%	883.750
-0.20%	883.700
-0.20%	883.650
-0.20%	883.600
-0.12%	883.550
-0.20%	883.520
-0.12%	883.470
-0.16%	883.440
-0.20%	883.400
-0.20%	883.350
-0.20%	883.300
-0.12%	883.250
-0.12%	883.220
-0.16%	883.190
-0.16%	883.150
-0.24%	883.110
-0.60%	883.000
-0.64%	882.900
-0.72%	882.740
-0.32%	882.580
-0.60%	882.480
-0.84%	882.330
-0.84%	882.120
-0.84%	881.910
-0.36%	881.700
-0.44%	881.610
-0.44%	881.500
-0.44%	881.390
-0.40%	881.290
-0.44%	881.180
-0.44%	881.070
-0.44%	880.960
-0.44%	880.855
-0.40%	880.740
-0.44%	880.640
-0.44%	880.530
-0.44%	880.420
-0.44%	880.310
-0.40%	880.200
-0.44%	880.100
-0.44%	879.990
-0.44%	879.937
-0.44%	879.880
-0.44%	879.770
-0.44%	879.660
-0.44%	879.550
-0.40%	879.440
-0.40%	879.340

Right Ditch Grades	Right Ditch Elevations
0.76%	881.050
0.48%	881.098
0.36%	881.170
0.24%	881.230
0.28%	881.320
0.28%	881.390
0.28%	881.460
0.28%	881.530
0.28%	881.601
-0.07%	881.670
-0.07%	881.653
-0.07%	881.639
-0.07%	881.616
-0.07%	881.591
-0.07%	881.564
-0.07%	881.561
-0.24%	881.550
-0.24%	881.490
-0.24%	881.450
-0.20%	881.370
-0.16%	881.330
-0.20%	881.290
-0.64%	881.230
-0.12%	881.070
-0.08%	881.040
-0.12%	881.020
-0.28%	881.590
-0.52%	881.520
-0.40%	881.790
-0.28%	881.690
-0.12%	881.603
-0.12%	881.590
-0.12%	881.566
-0.16%	881.530
-0.20%	881.490
-0.16%	881.440
-0.16%	881.400
-0.16%	881.360
-0.56%	881.220
-0.12%	881.190
-0.16%	881.150
-0.20%	881.100
-0.12%	881.070
-0.16%	881.030
-0.16%	880.990
-0.60%	880.940
-0.72%	880.860
-0.24%	880.800
-0.28%	880.730
-0.28%	880.660
-0.28%	880.590
-0.28%	880.520
-0.28%	880.460
-0.28%	880.390
-0.28%	880.320
-0.28%	880.250
-0.28%	880.180
-0.28%	880.110
-0.28%	880.040
-0.32%	879.960
-0.28%	879.926
-0.28%	879.890
-0.28%	879.820
-0.28%	879.750
-0.28%	879.680
-0.28%	879.610
-0.28%	879.540

STEVEN D. BOLEN
REGISTERED
No. 900346
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5/16/05

DESIGNED: DRAWN:
CHECKED: CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
1" = 10'	0200426
SURVEY BOOK	SHEETS
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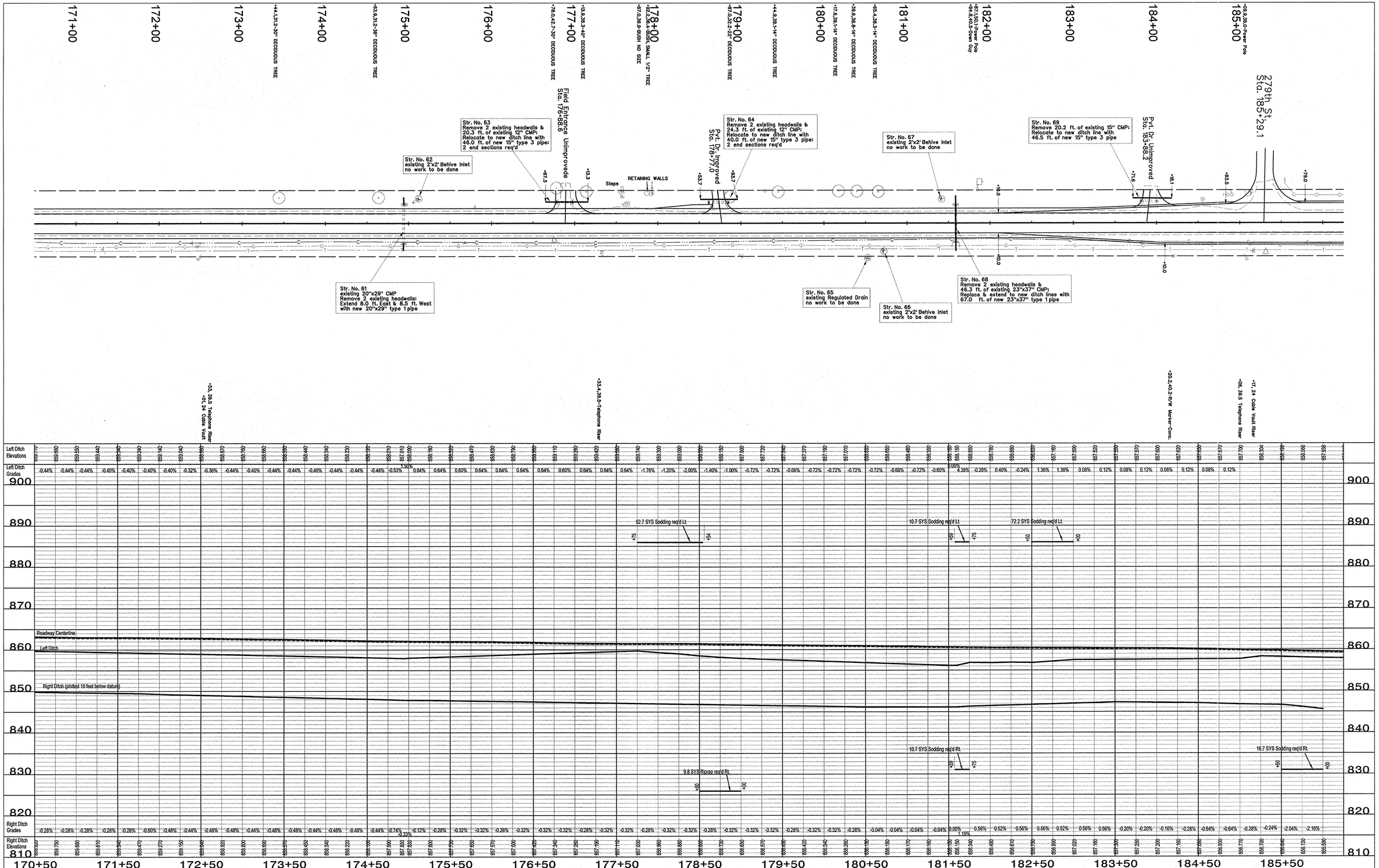
CONTRACT	PROJECT
R-27134	SR 19



STEVEN D. BOWER
REGISTERED
No. 900346
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5-16-05

DESIGNED: DRAWN:
CHECKED: CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
VERTICAL SCALE 1" = 10'	DESIGNATION 0200426
SURVEY BOOK	SHEETS 8 of 378
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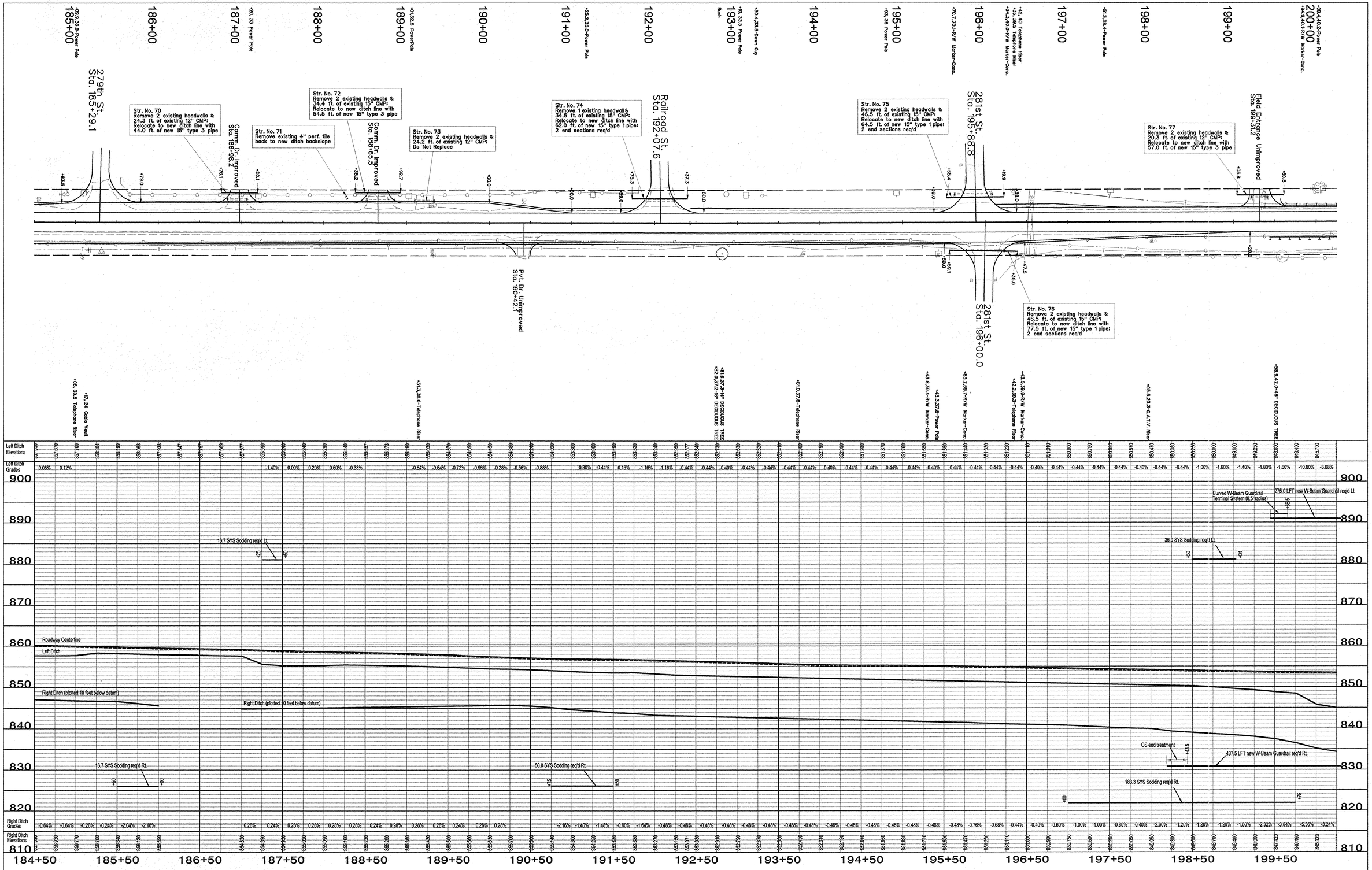

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50'	VERTICAL SCALE 1" = 10'	BRIDGE FILE / DESIGNATION 0200426
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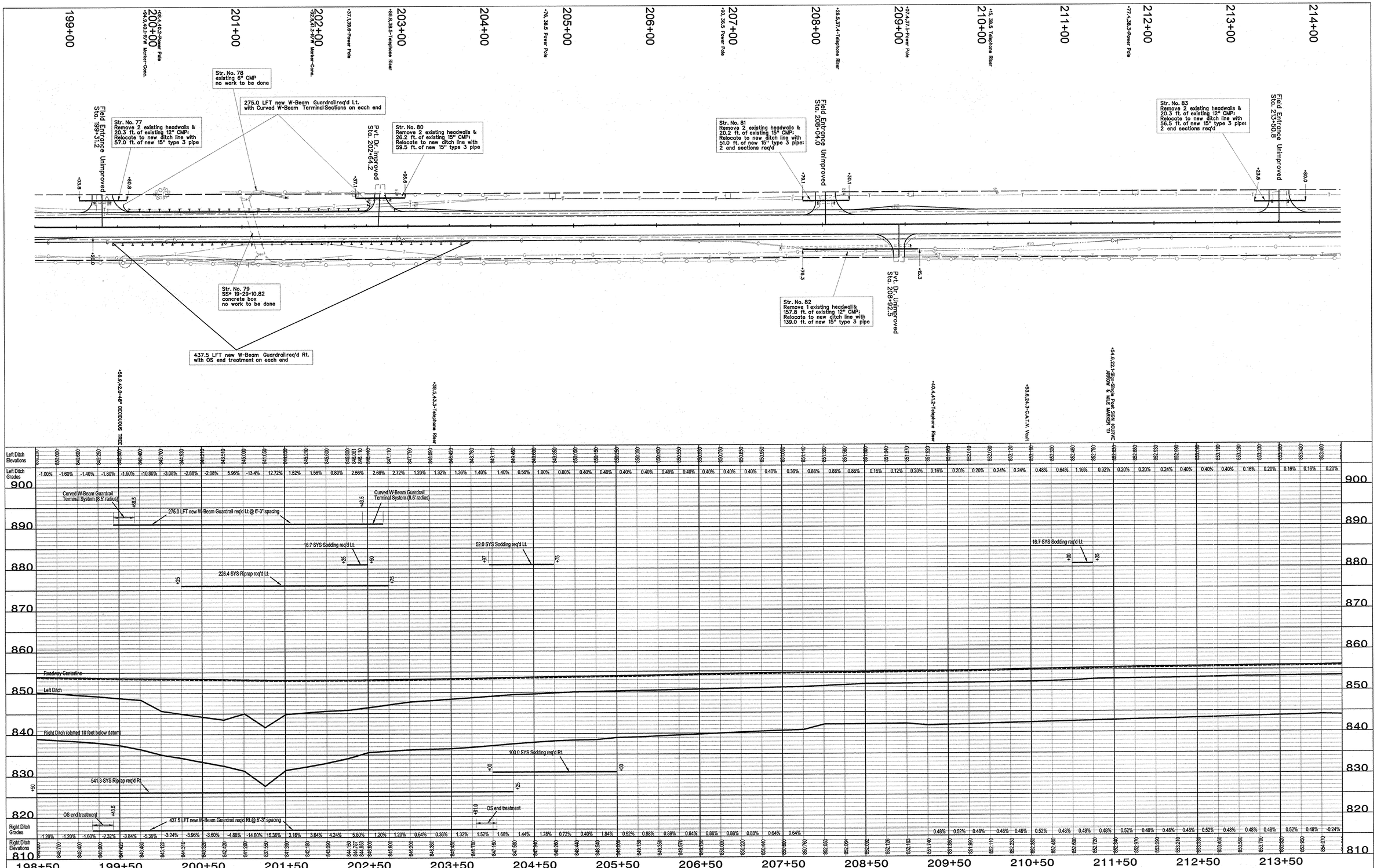
CHECKED:	CHECKED:			CONTRACT R-27134	PROJECT SR 19	



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER — DATE 5-16-05
DESIGNED:	DRAWN:
CHECKED:	CHECKED:

STEVEN C. BOYER — REGISTERED — NO. 900346 — STATE OF INDIANA — PROFESSIONAL ENGINEER

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
VERTICAL SCALE 1" = 10'	DESIGNATION 0200426
SURVEY BOOK	SHEETS 10 of 378
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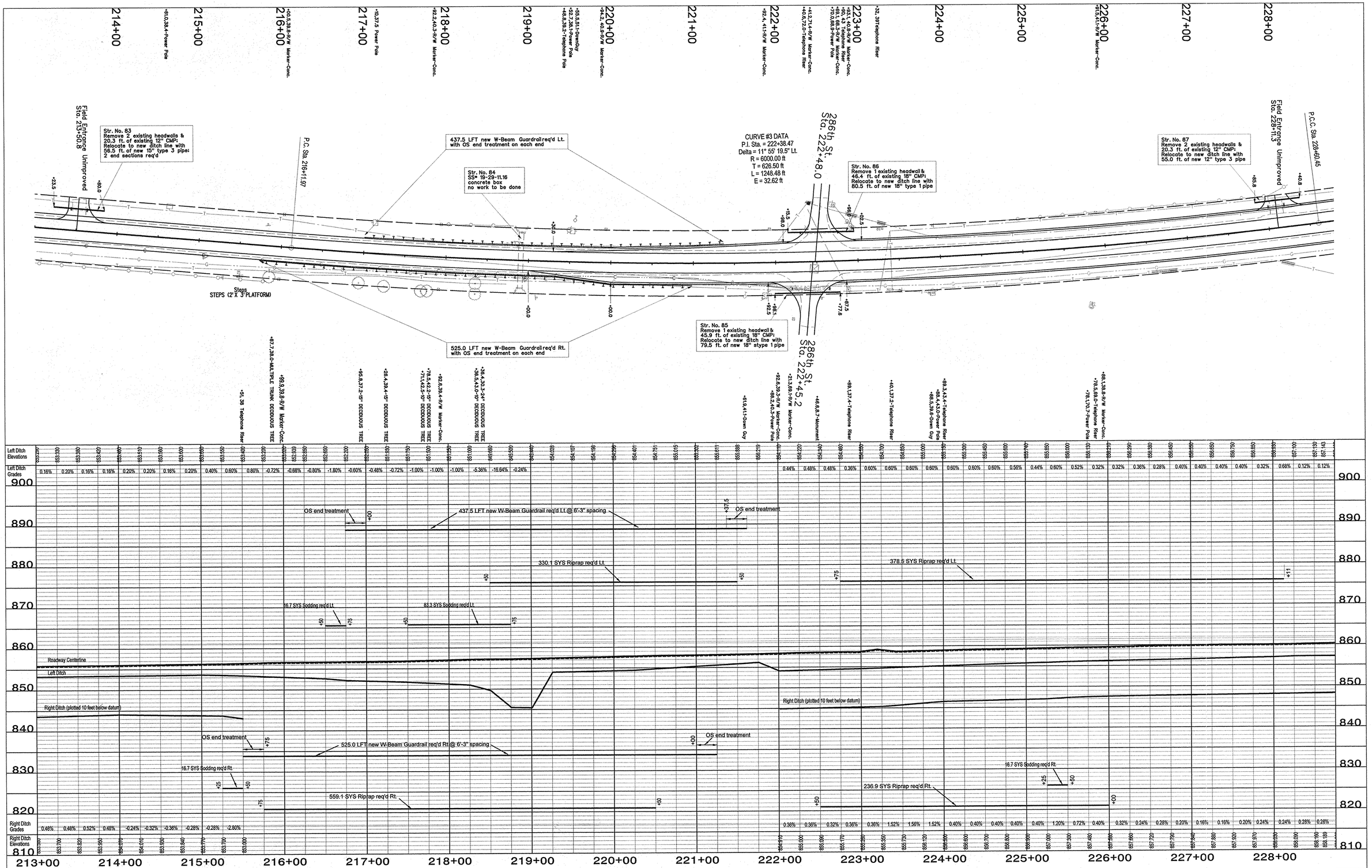

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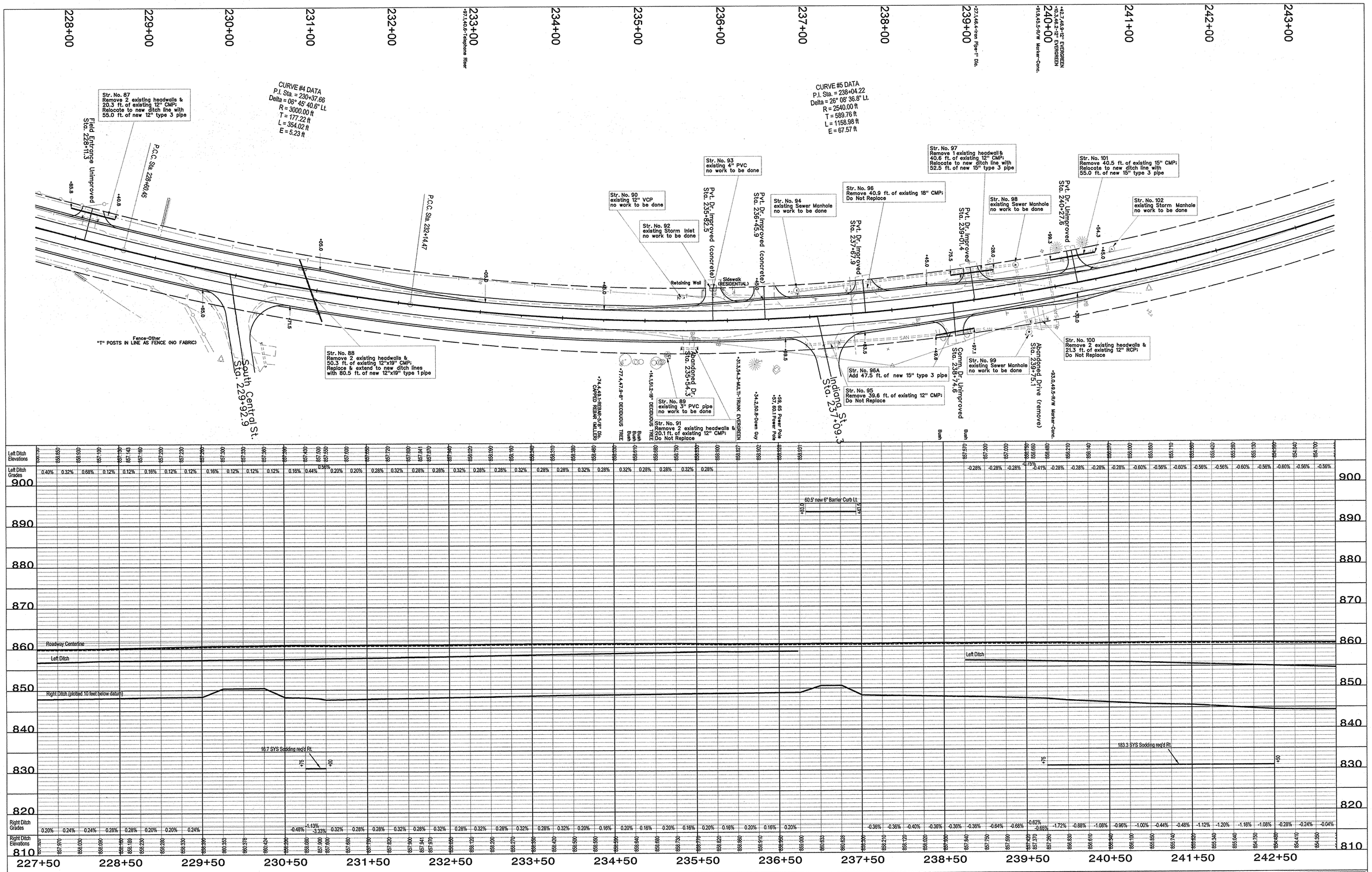
CHECKED:	CHECKED:			CONTRACT R-27134	PROJECT SR 19



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	5-16-05	DATE
DESIGNED:	DRAWN:		
CHECKED:	CHECKED:		

STEVEN D. BOYER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
1" = 10'	0200426
SURVEY BOOK	SHEETS
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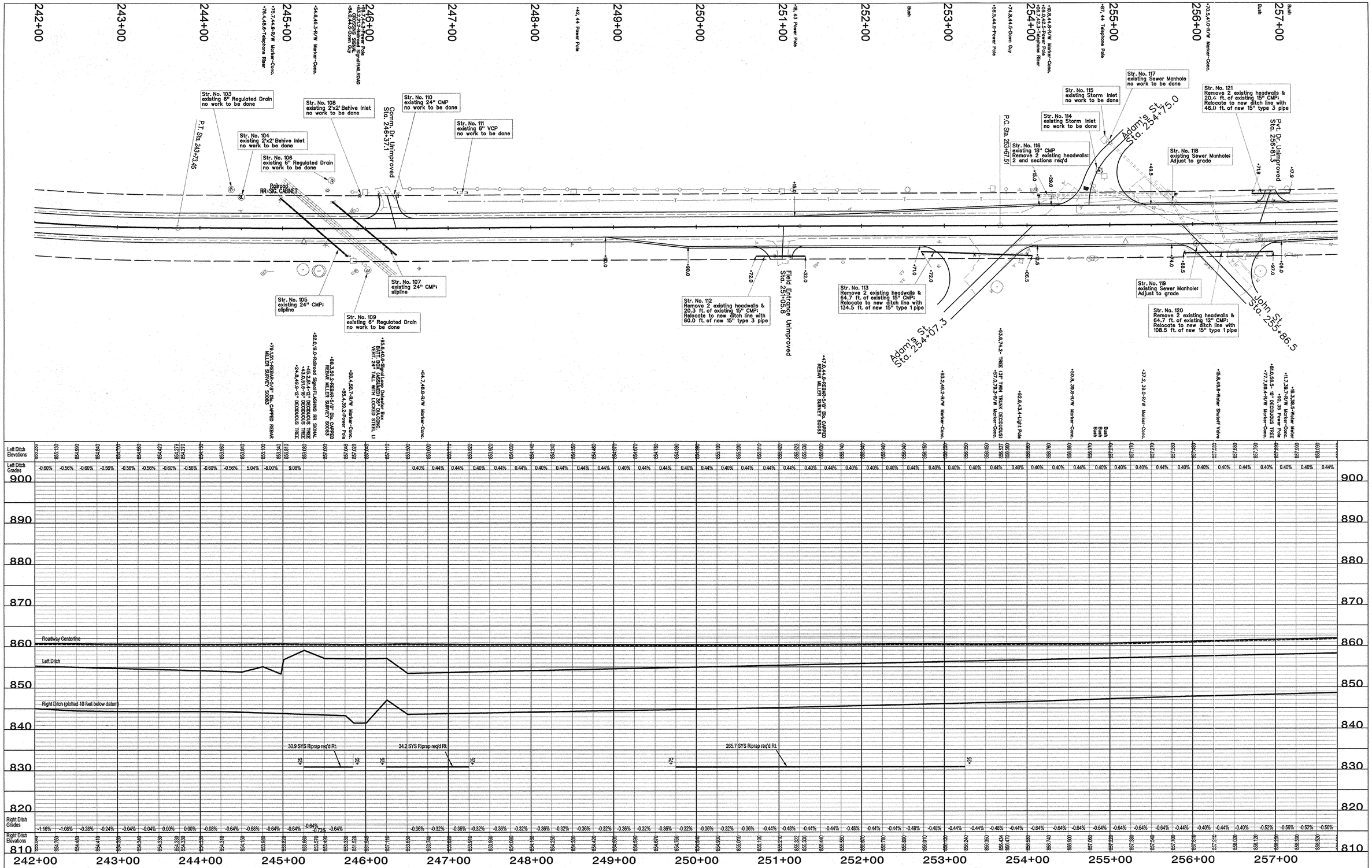
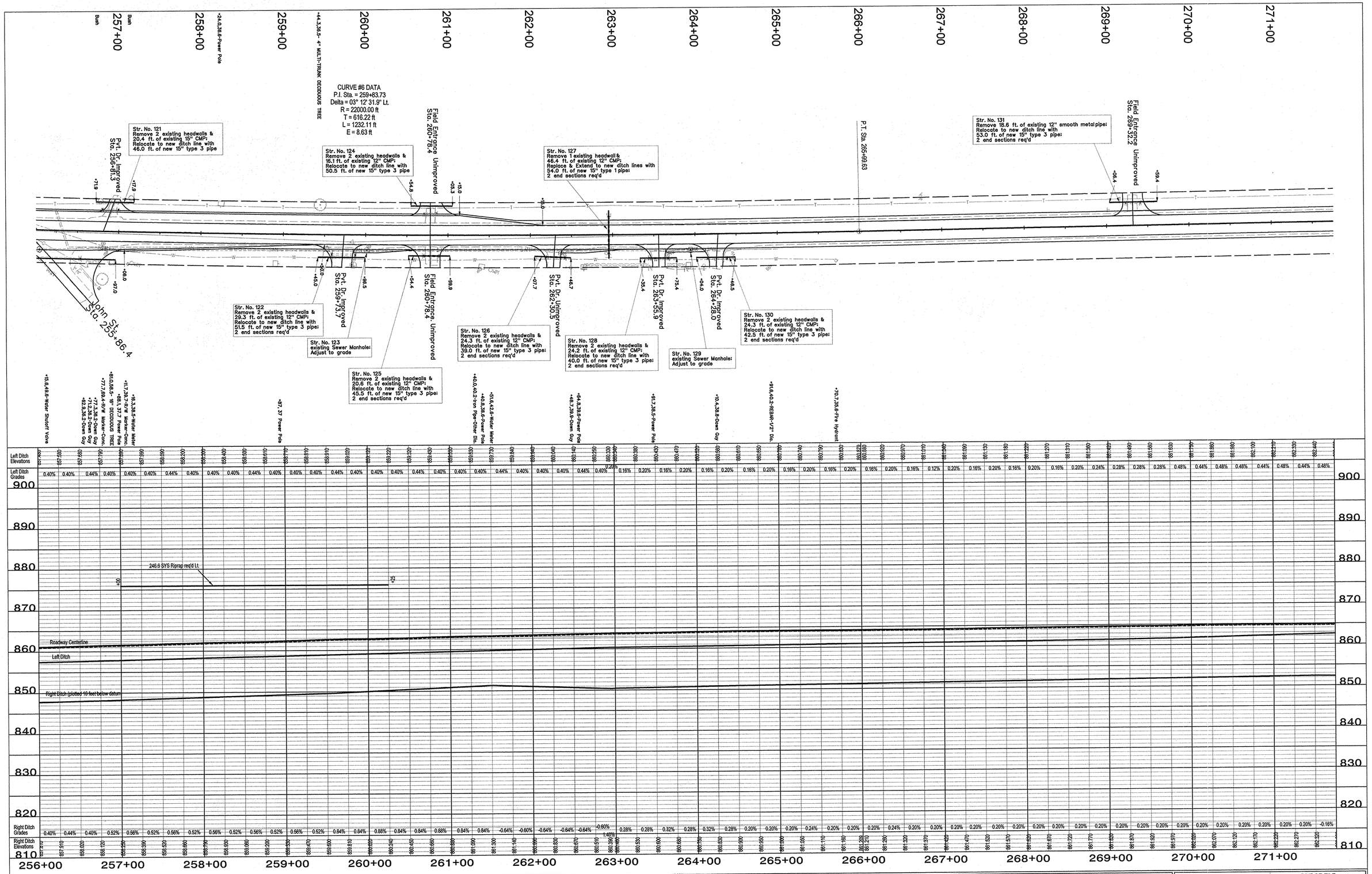


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
				VERTICAL SCALE 1" = 10'	DESIGNATION 0200426
DESIGNED:	DRAWN:			SURVEY BOOK	SHEETS 13 of 378
CHECKED:	CHECKED:			CONTRACT R-27134	PROJECT SR 19

STEVEN D. BOYER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER



RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5-16-05

DESIGNED: DRAWN:

CHECKED: CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
1" = 10'	0200426
SURVEY BOOK	SHEETS
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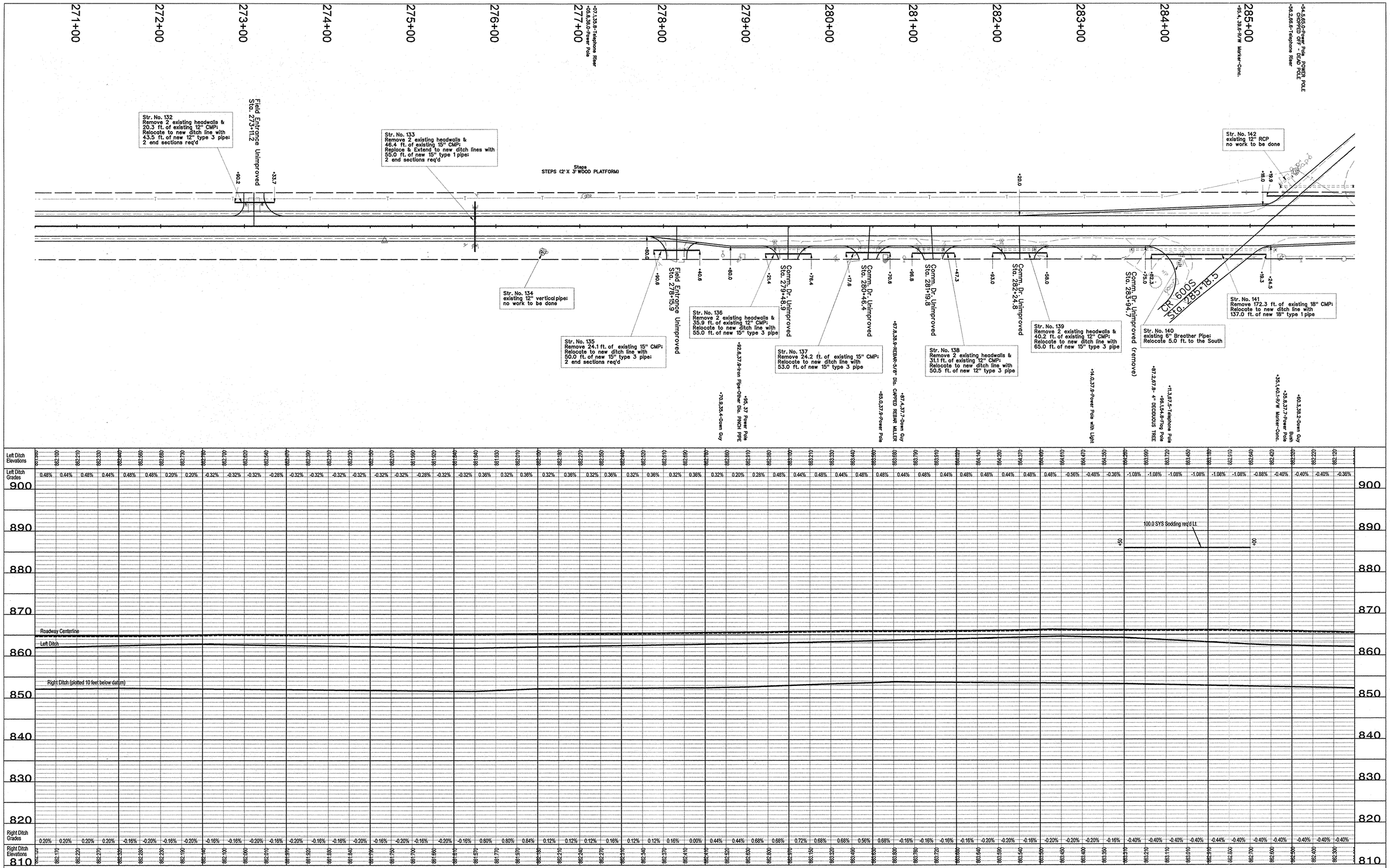

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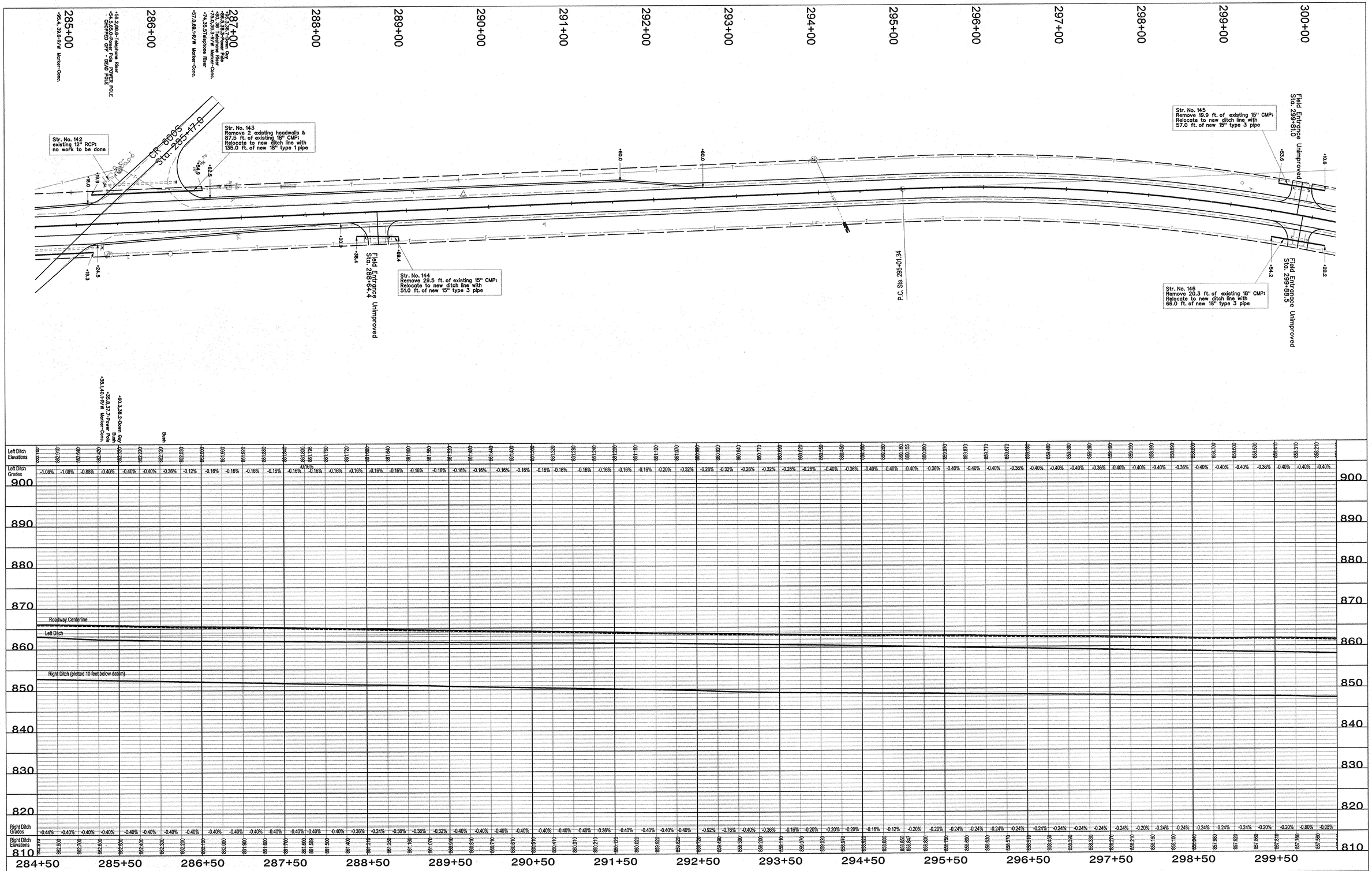
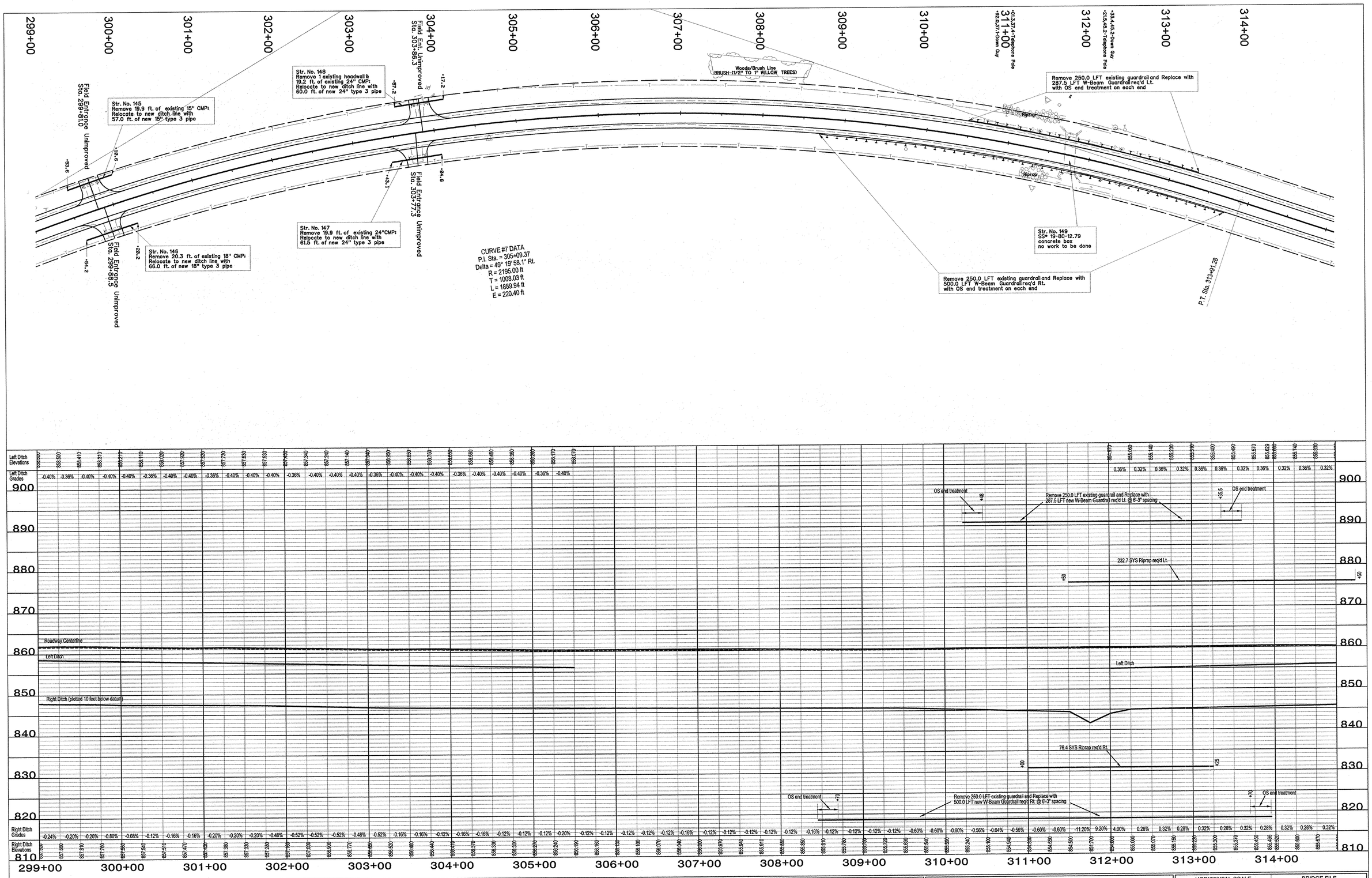
						VERTICAL SCALE 1" = 10'	DESIGNATION 0200426
				DESIGNED: DRAWN:		SURVEY BOOK	SHEETS 15 of 378
				CHECKED: CHECKED:		CONTRACT R-27134	PROJECT SR 19

STEVEN D. BOYER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER



RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5-16-05	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
		VERTICAL SCALE 1" = 10'	DESIGNATION 0200426
DESIGNED:	DRAWN:	SURVEY BOOK	SHEETS 16 of 378
CHECKED:	CHECKED:	CONTRACT R-27134	PROJECT SR 19

STEVEN D. BOWER — REGISTERED — No. 900346 — STATE OF INDIANA — PROFESSIONAL ENGINEER



RECOMMENDED FOR APPROVAL	5-16-06 DESIGN ENGINEER DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50' / VERTICAL SCALE 1" = 10'
DESIGNED:	DRAWN:		BRIDGE FILE / DESIGNATION 0200426
CHECKED:	CHECKED:		SURVEY BOOK / CONTRACT R-27134
			SHEETS 17 of 378 / PROJECT SR 19

STEVEN D. SEITZ INDIANA REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

STEVEN D. BOYER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL [signature] 5-16-05
DESIGN ENGINEER DATE

DESIGNED: DRAWN:
CHECKED: CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
1" = 10'	0200426
SURVEY BOOK	SHEETS
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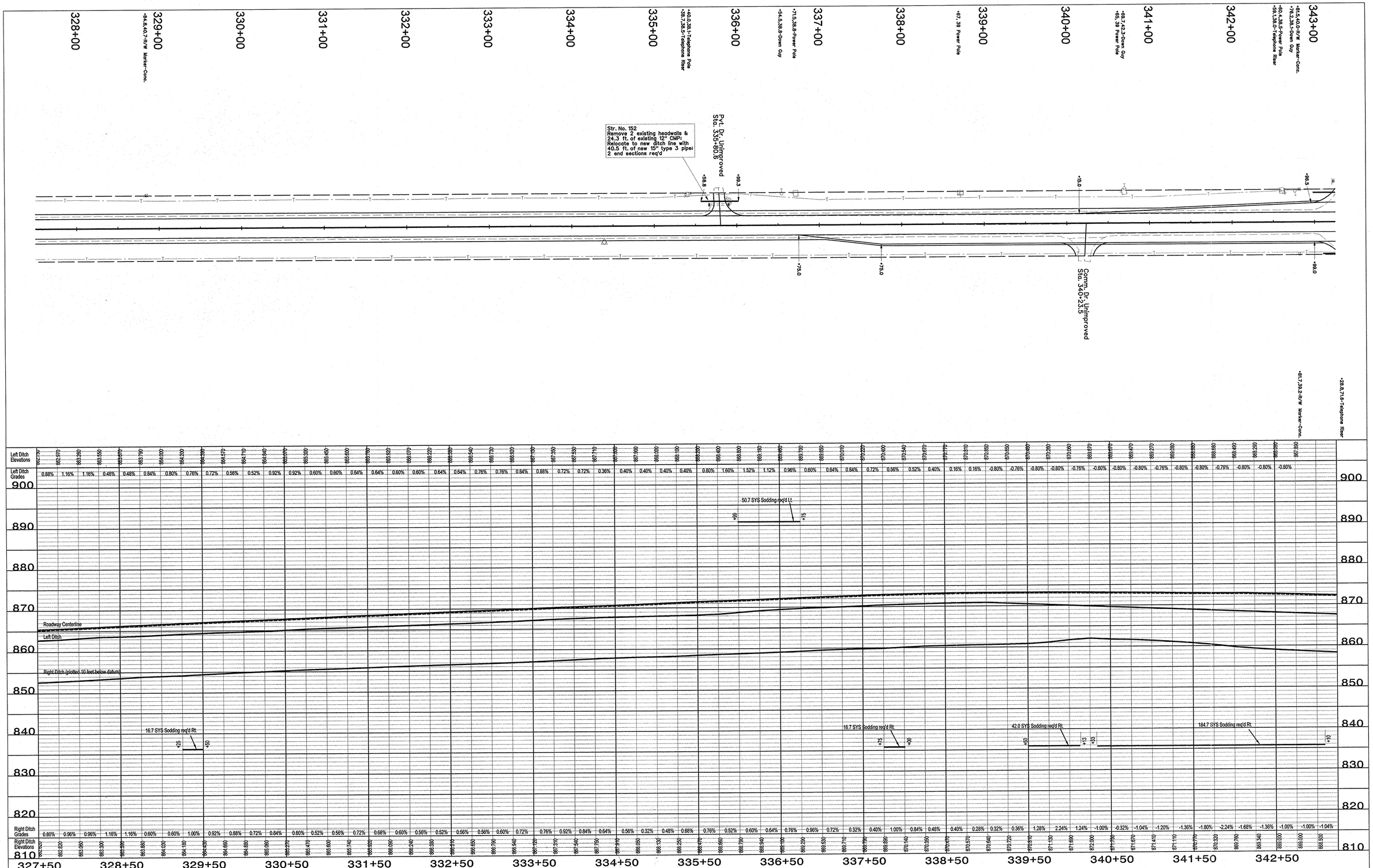
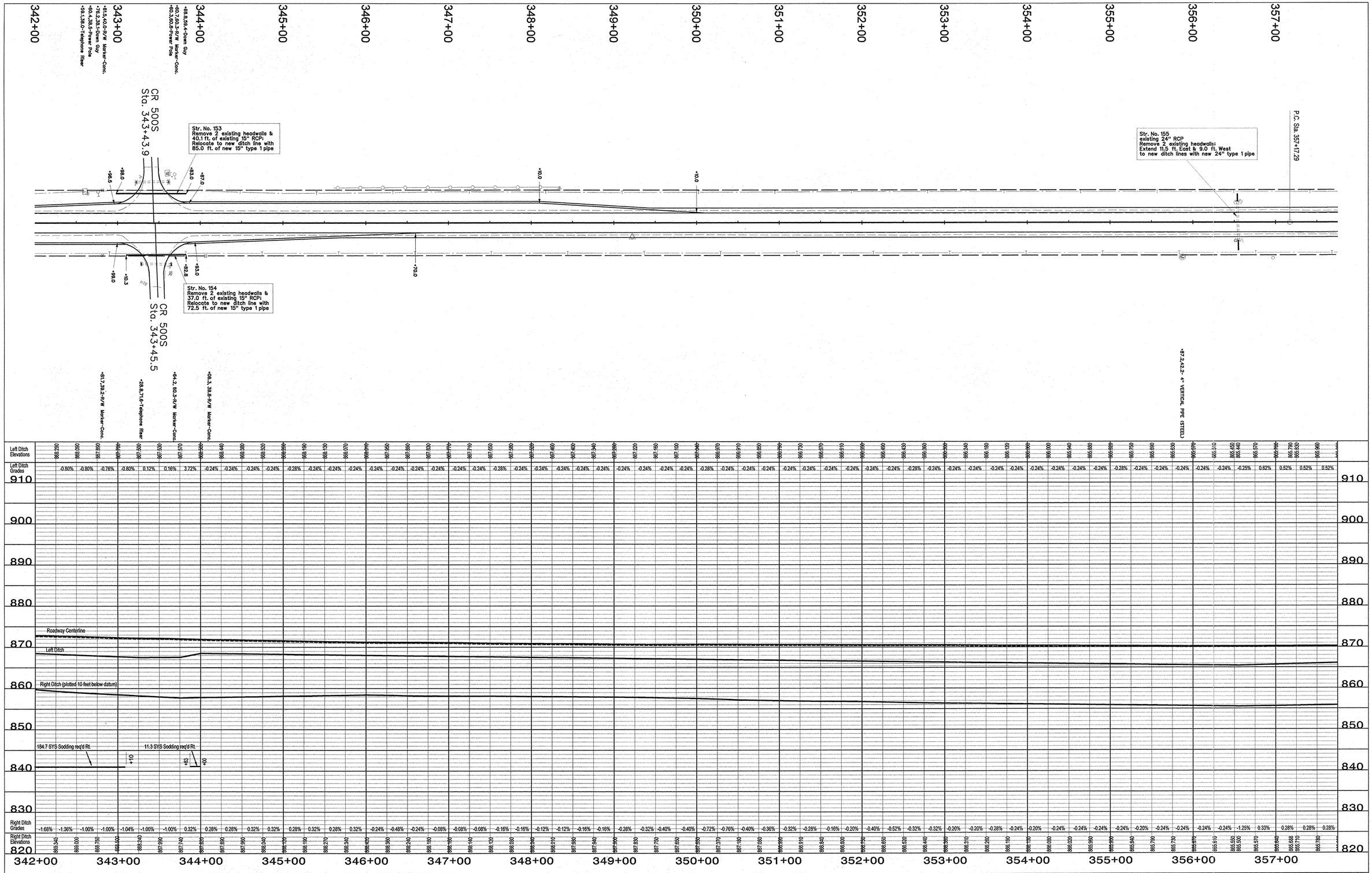


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE	5-16-05
DESIGNED:	DRAWN:		
CHECKED:	CHECKED:		

STEVEN D. BOYER REGISTERED No. 900348 STATE OF INDIANA PROFESSIONAL ENGINEER

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
VERTICAL SCALE 1" = 10'	DESIGNATION 0200426
SURVEY BOOK	SHEETS 19 of 378
CONTRACT R-27134	PROJECT SR 19



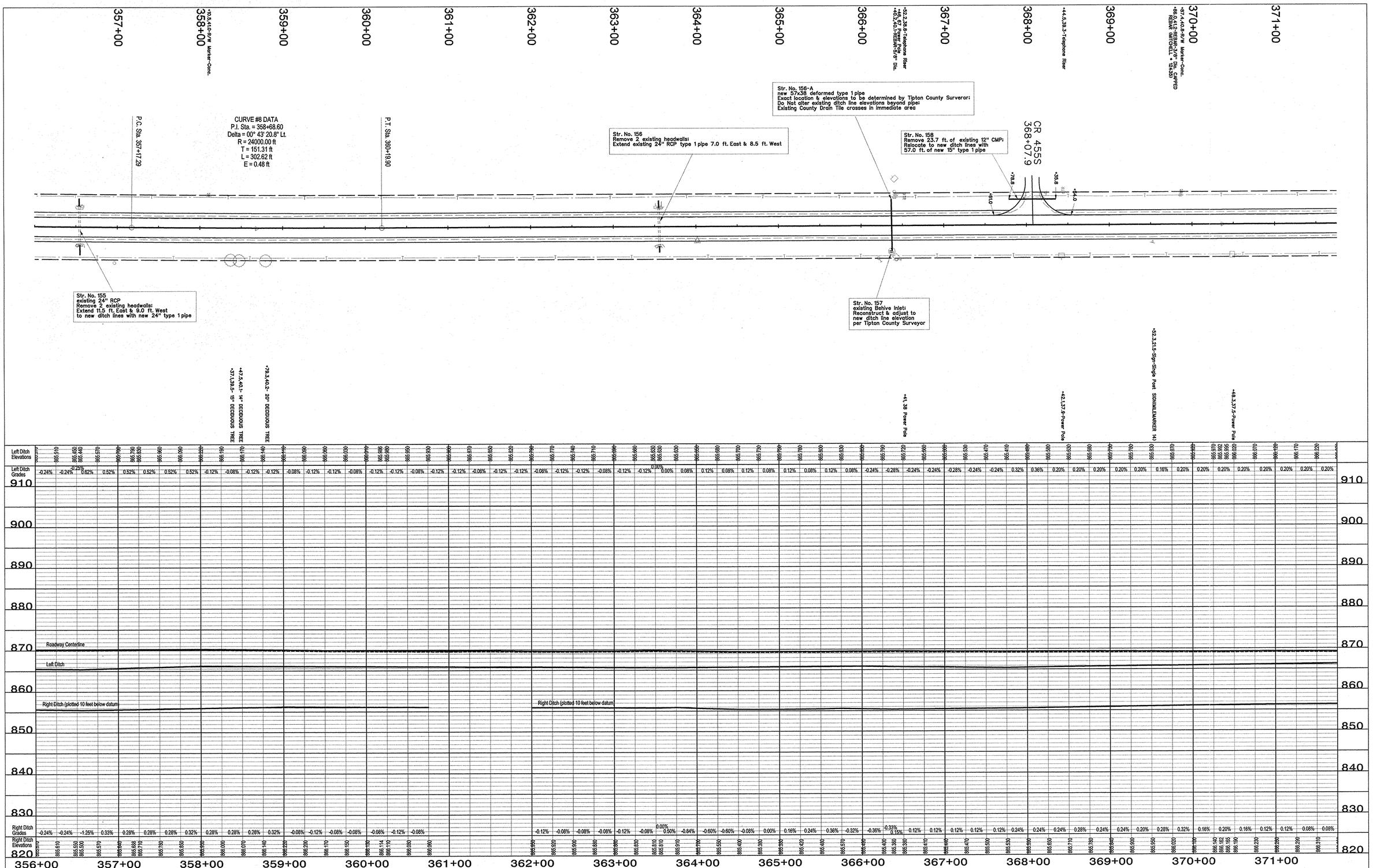
STEVEN D. BOYER
REGISTERED
No. 900346
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5-16-05

DESIGNED: DRAWN:
CHECKED: CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
VERTICAL SCALE 1" = 10'	DESIGNATION 0200426
SURVEY BOOK	SHEETS 20 of 378
CONTRACT R-27134	PROJECT SR 19



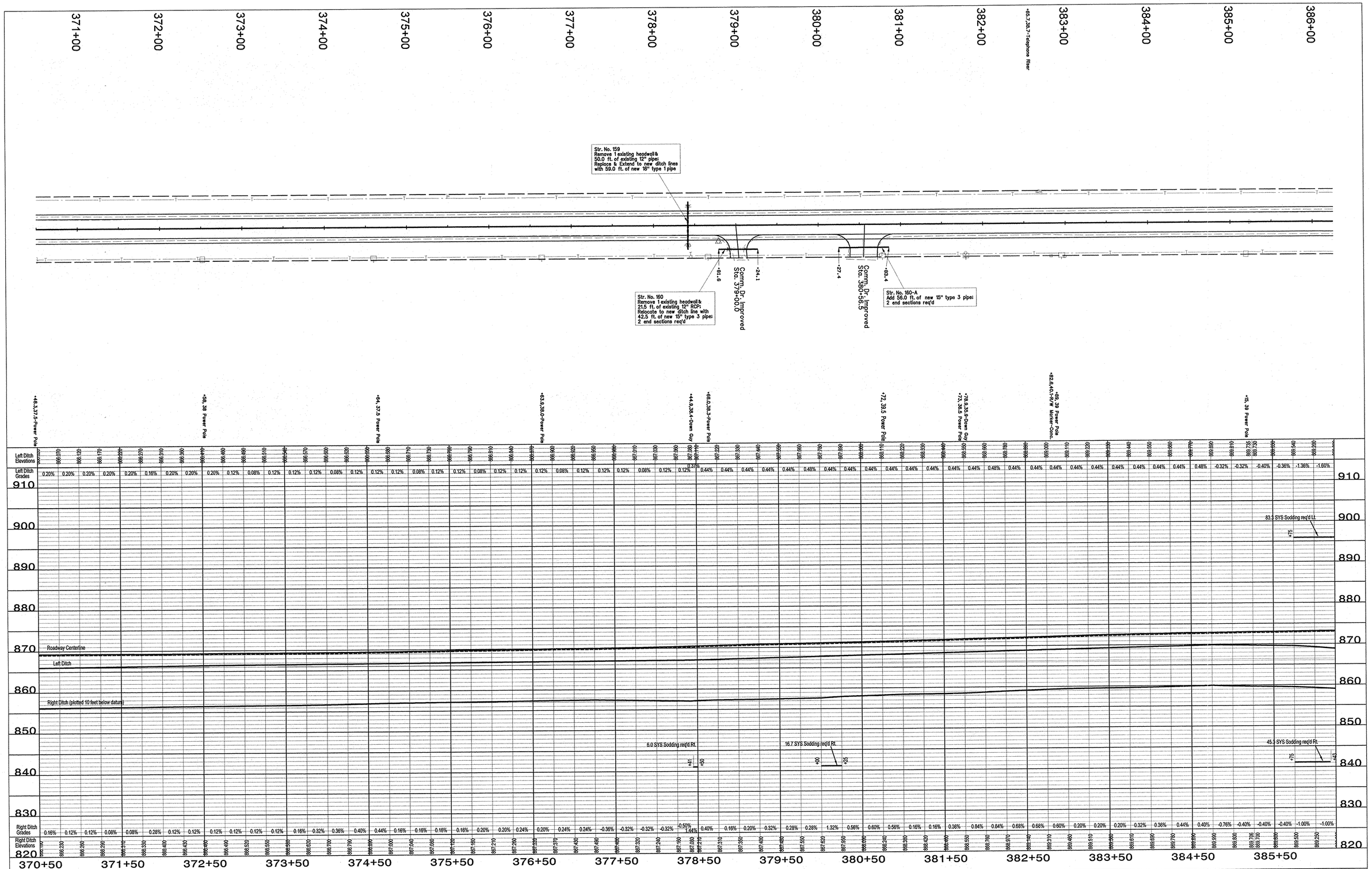
STEVEN D. SOVER
REGISTERED
No. 900346
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL 5-16-05
DESIGN ENGINEER DATE

DESIGNED: DRAWN:
CHECKED: CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

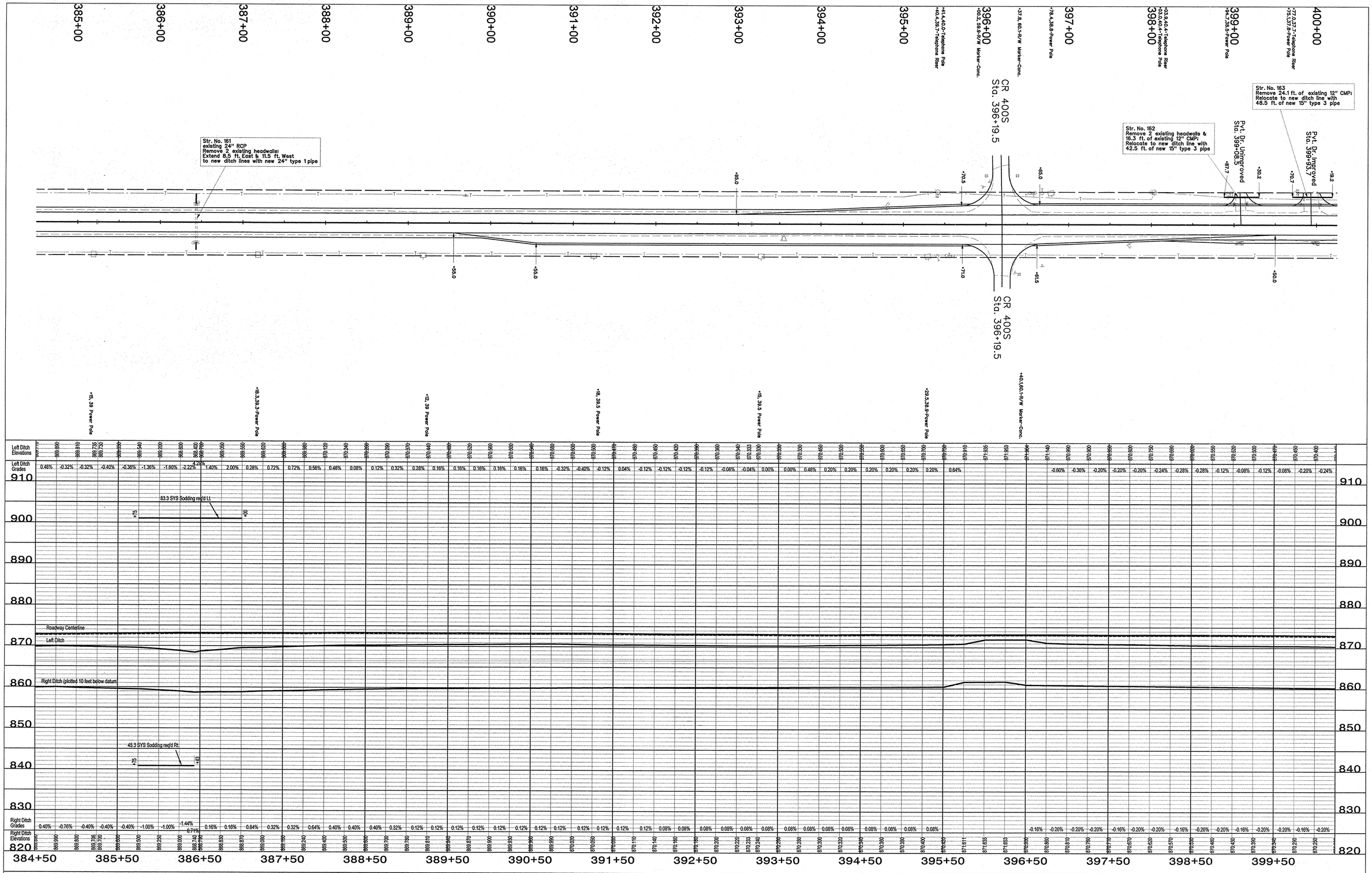
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
1" = 10'	0200426
SURVEY BOOK	SHEETS
	21 of 378
CONTRACT	PROJECT
R-27134	SR 19



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	3-16-06 DATE	INDIANA DEPARTMENT OF TRANSPORTATION
DESIGNED:	DRAWN:		
CHECKED:	CHECKED:		

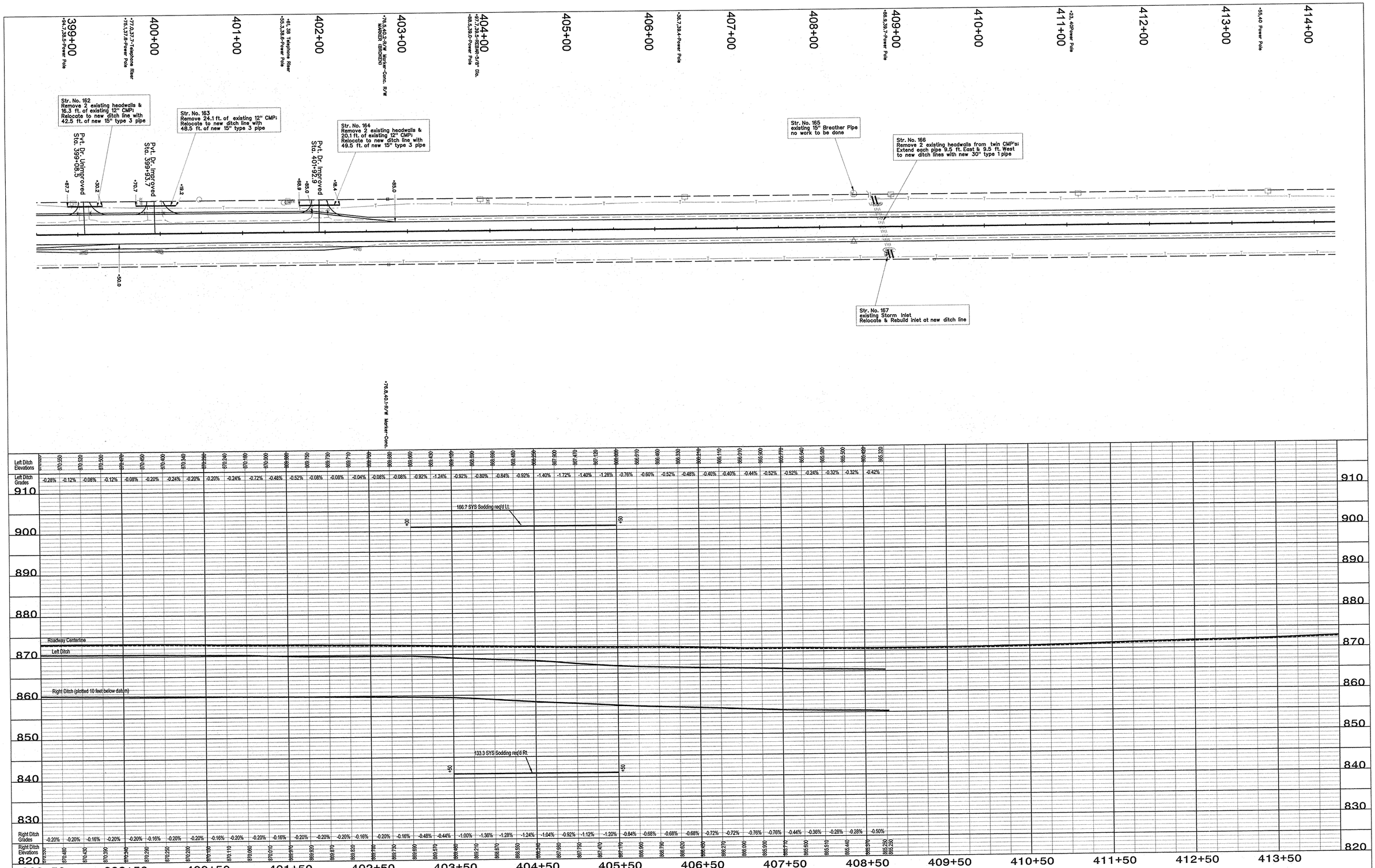
STEVEN D. SOWERS REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
VERTICAL SCALE	DESIGNATION
1" = 10'	0200426
SURVEY BOOK	SHEETS
	22 of 378
CONTRACT	PROJECT
R-27134	SR 19



RECOMMENDED FOR APPROVAL	5-16-05	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50'	BRIDGE FILE	
DESIGN ENGINEER	DATE		VERTICAL SCALE 1" = 10'	DESIGNATION 0200426	
DESIGNED:	DRAWN:		SURVEY BOOK	SHEETS 23 of 378	
CHECKED:	CHECKED:		CONTRACT R-27134	PROJECT SR 19	

STEVEN D. SOVER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

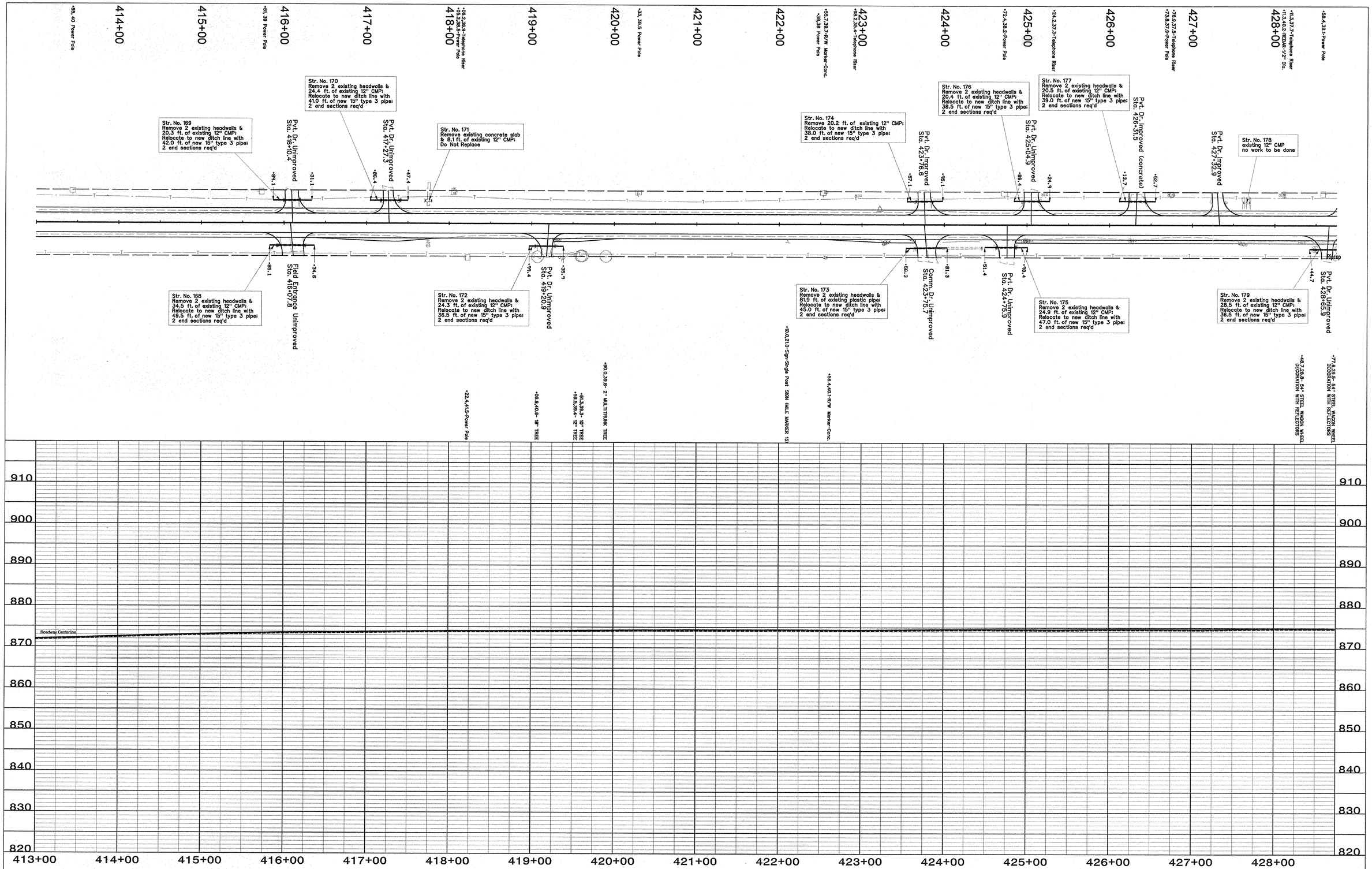


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER — DATE 5-16-06
DESIGNED:	DRAWN:
CHECKED:	CHECKED:

STEVEN D. SOLTZ REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

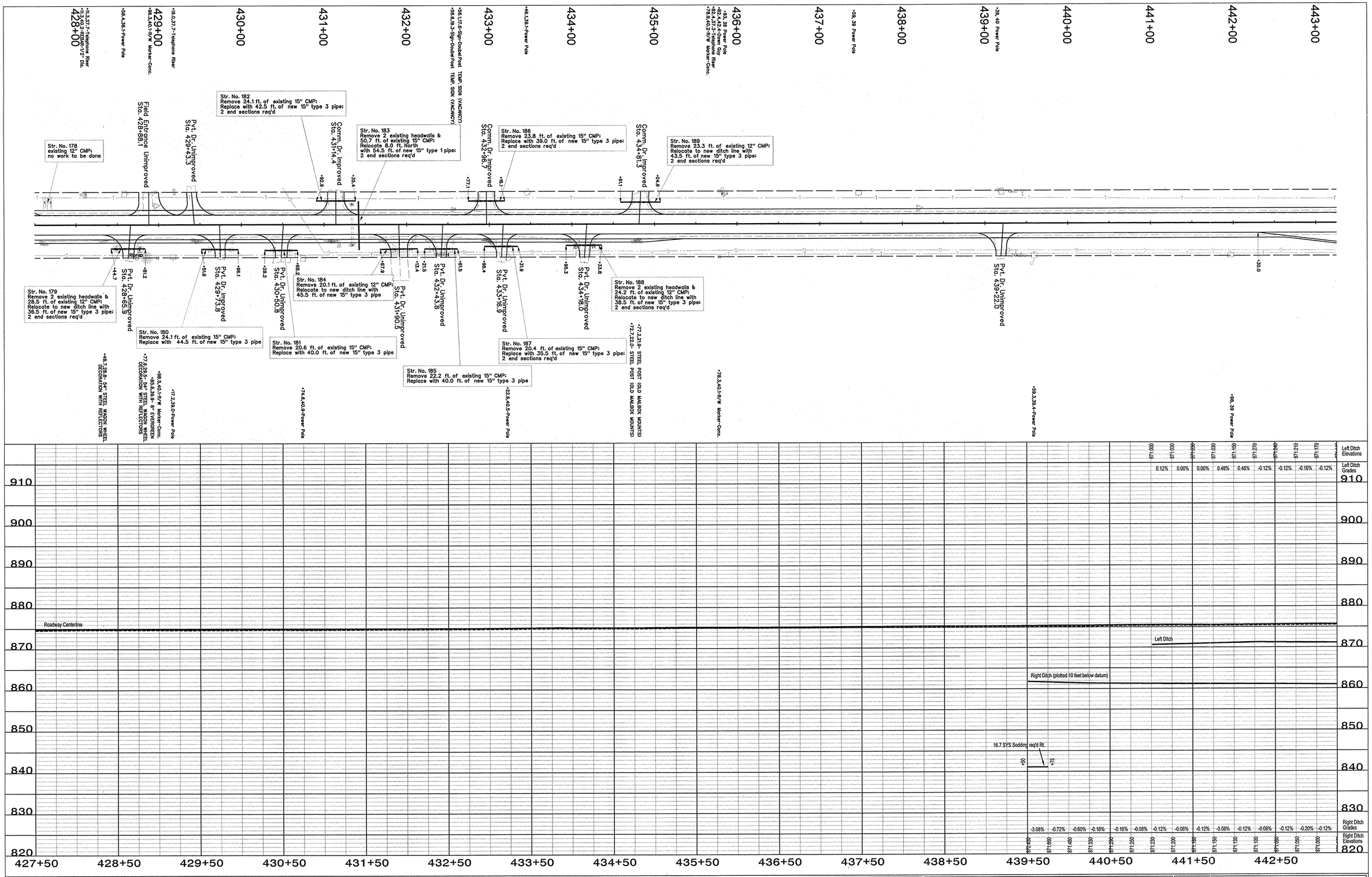
INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
VERTICAL SCALE 1" = 10'	DESIGNATION 0200426
SURVEY BOOK	SHEETS 24 of 378
CONTRACT R-27134	PROJECT SR 19



RECOMMENDED FOR APPROVAL	5-16-05	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1" = 50'	BRIDGE FILE	
DESIGN ENGINEER	DATE		VERTICAL SCALE 1" = 10'	DESIGNATION 0200426	
DESIGNED:	DRAWN:		SURVEY BOOK	SHEETS 25 of 378	
CHECKED:	CHECKED:		CONTRACT R-27134	PROJECT SR 19	

STEVEN G. BOYER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER



RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5-16-06

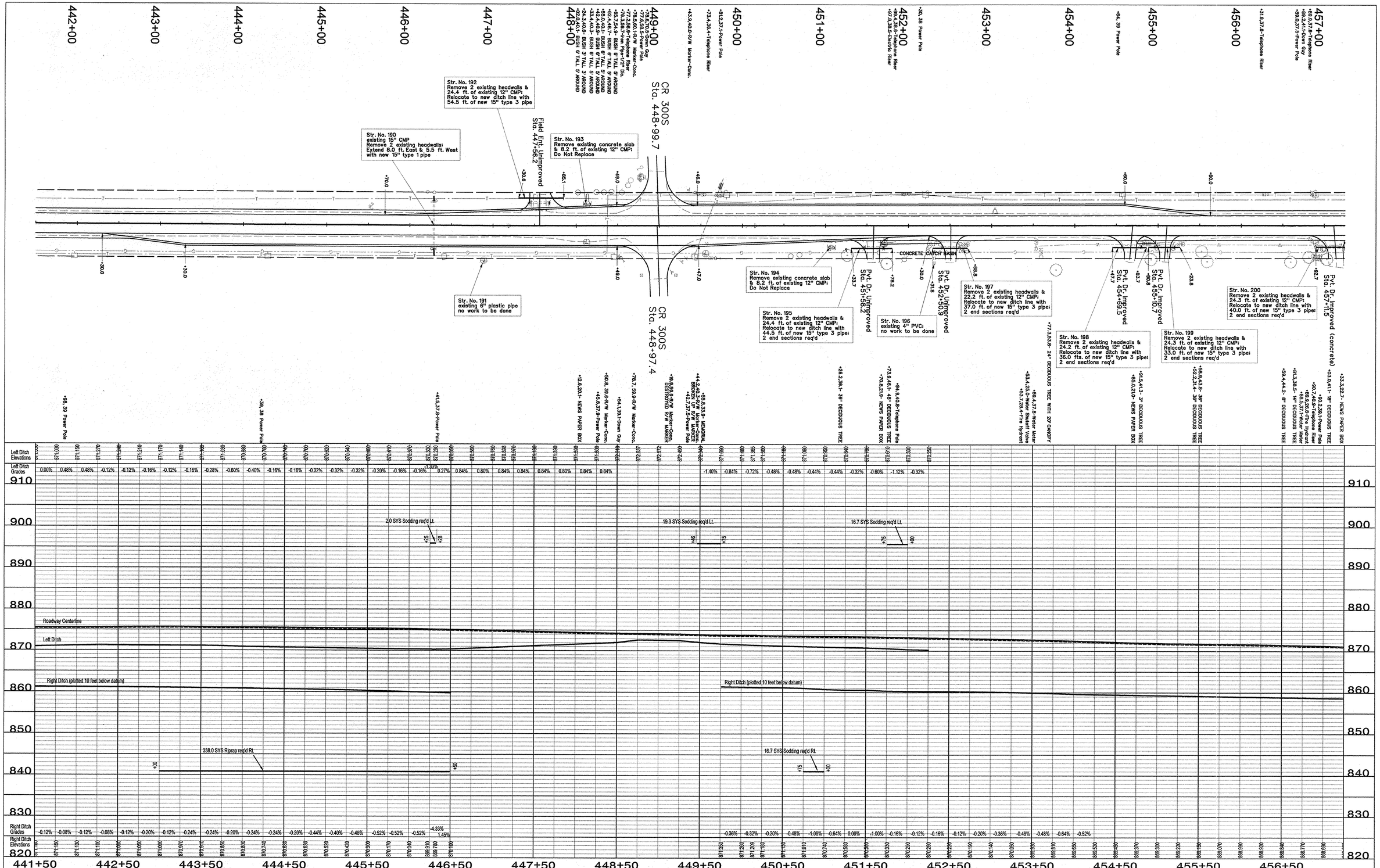
DESIGNED: DRAWN:

CHECKED: CHECKED:

STEVEN D. BOWER PROFESSIONAL ENGINEER No. 900346 STATE OF INDIANA

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
VERTICAL SCALE 1" = 10'	DESIGNATION 0200426
SURVEY BOOK	SHEETS 26 of 378
CONTRACT R-27134	PROJECT SR 19



RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5-16-06

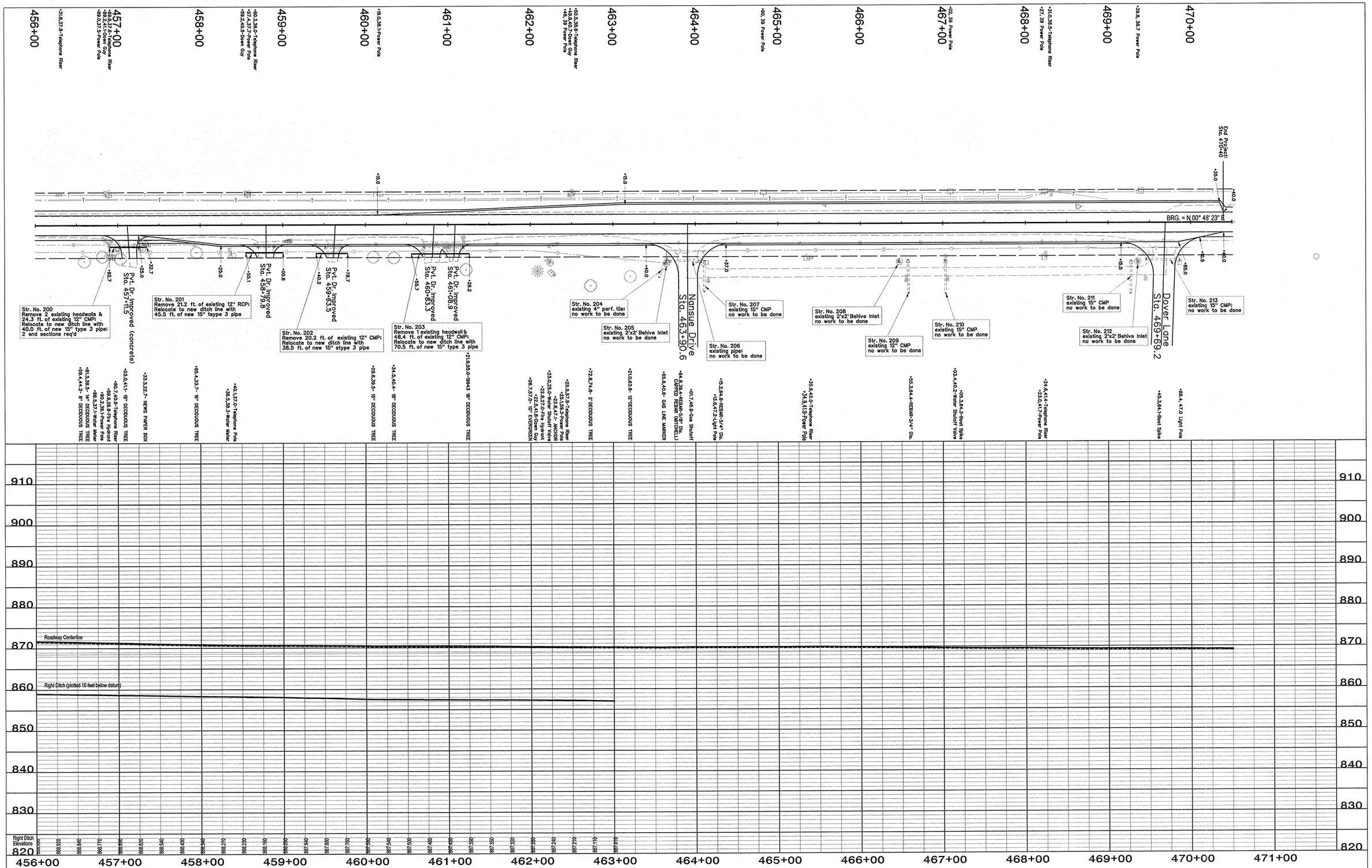
DESIGNED: DRAWN:

CHECKED: CHECKED:

STEVEN D. SOTER REGISTERED NO. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
VERTICAL SCALE 1" = 10'	DESIGNATION 0200426
SURVEY BOOK	SHEETS 27 of 378
CONTRACT R-27134	PROJECT SR 19

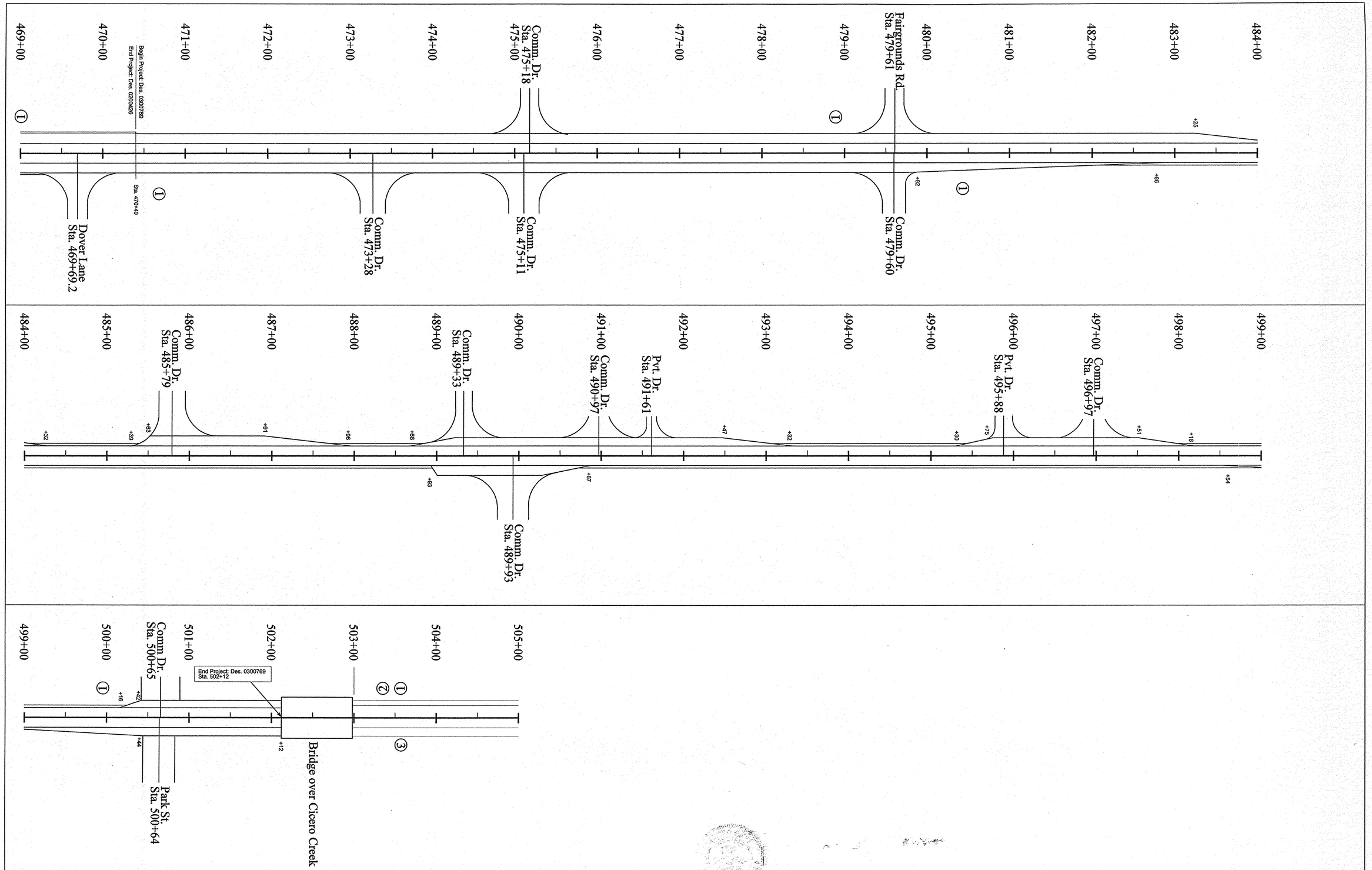


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER — DATE 5-16-08
DESIGNED:	DRAWN:
CHECKED:	CHECKED:

STEVEN D. BOYERS REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

INDIANA
DEPARTMENT OF TRANSPORTATION

HORIZONTAL SCALE 1" = 50'	BRIDGE FILE
VERTICAL SCALE 1" = 10'	DESIGNATION 0200426
SURVEY BOOK	SHEETS 28 of 378
CONTRACT R-27134	PROJECT SR 19



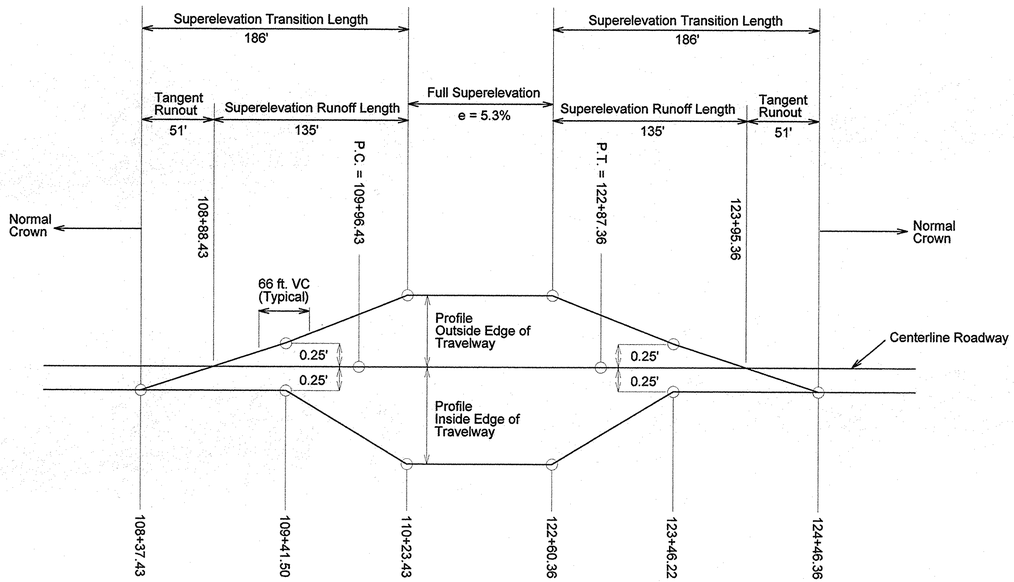
STEVEN D. BOYER
REGISTERED
No. 900346
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER
5-13-05
DATE

DESIGNED: DRAWN:
CHECKED: CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

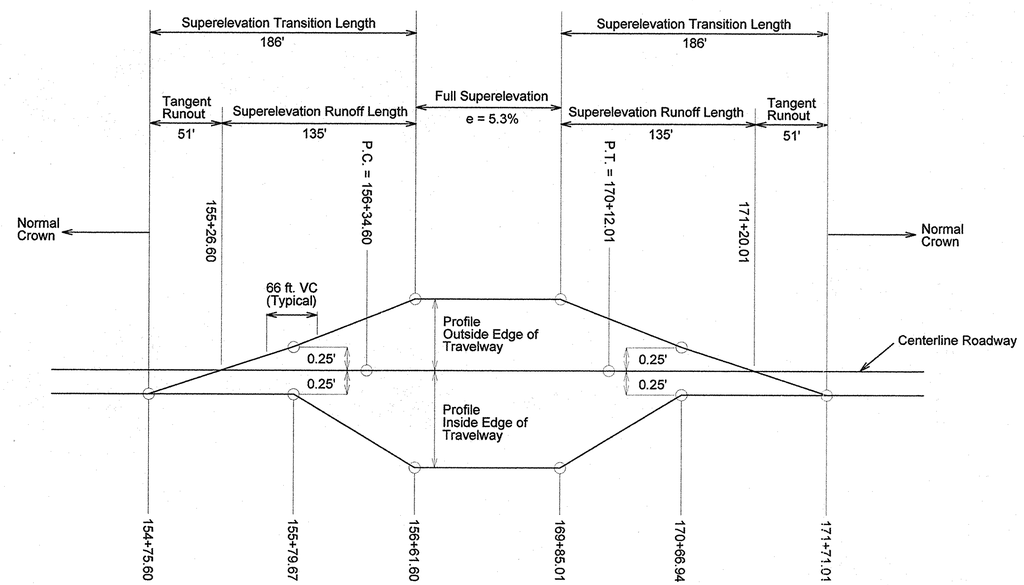
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'-0"	
VERTICAL SCALE	DESIGNATION
1" = 50'-0"	0300769
SURVEY BOOK	SHEETS
	29 of 378
CONTRACT	PROJECT
R-27134	SR 19



Outside Turn Lane = +1.0% @ 109+14.96
Outside Shoulder = -2.0%

Inside Turn Lane = -5.3%
Inside Shoulder = -5.3%

CURVE 1 (Lt.)



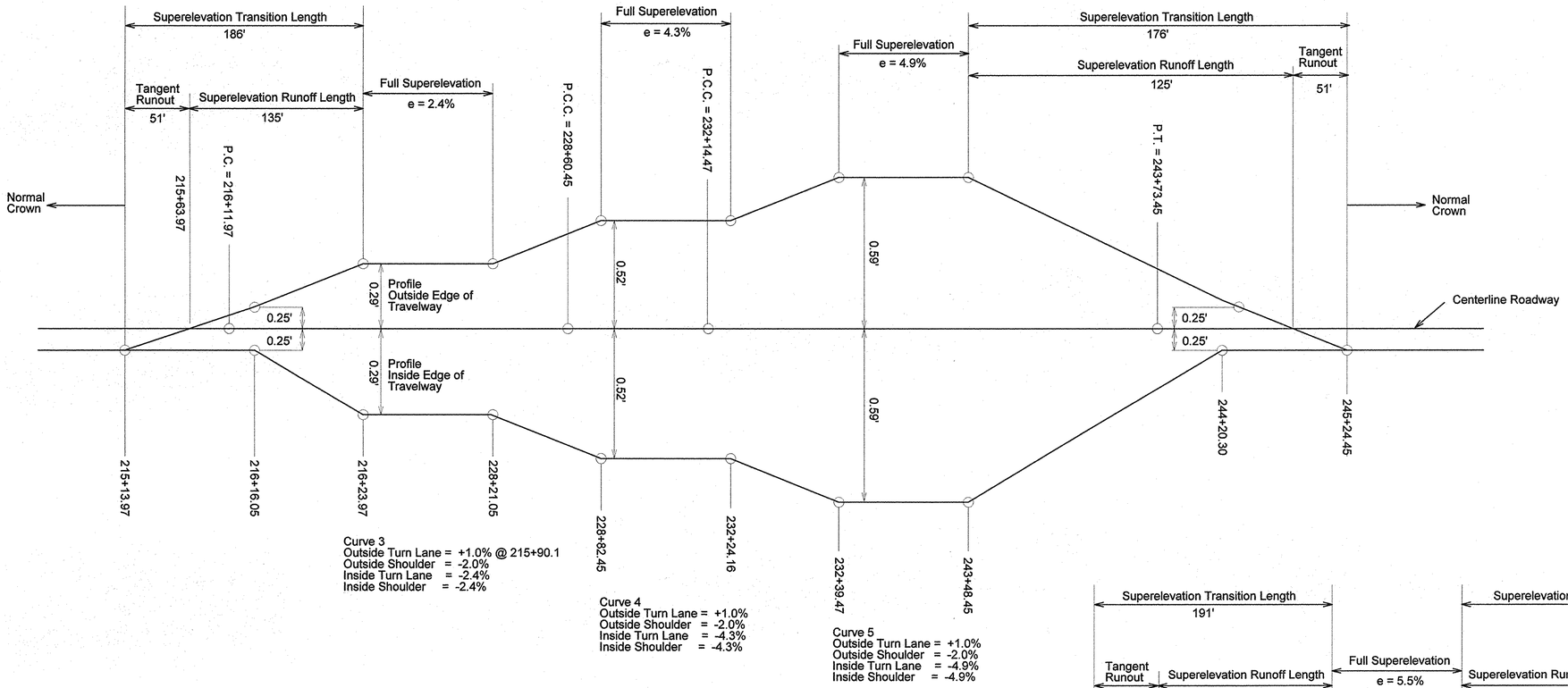
Outside Turn Lane = +1.0% @ 155+53.13
Outside Shoulder = -2.0%

Inside Turn Lane = -5.3%
Inside Shoulder = -5.3%

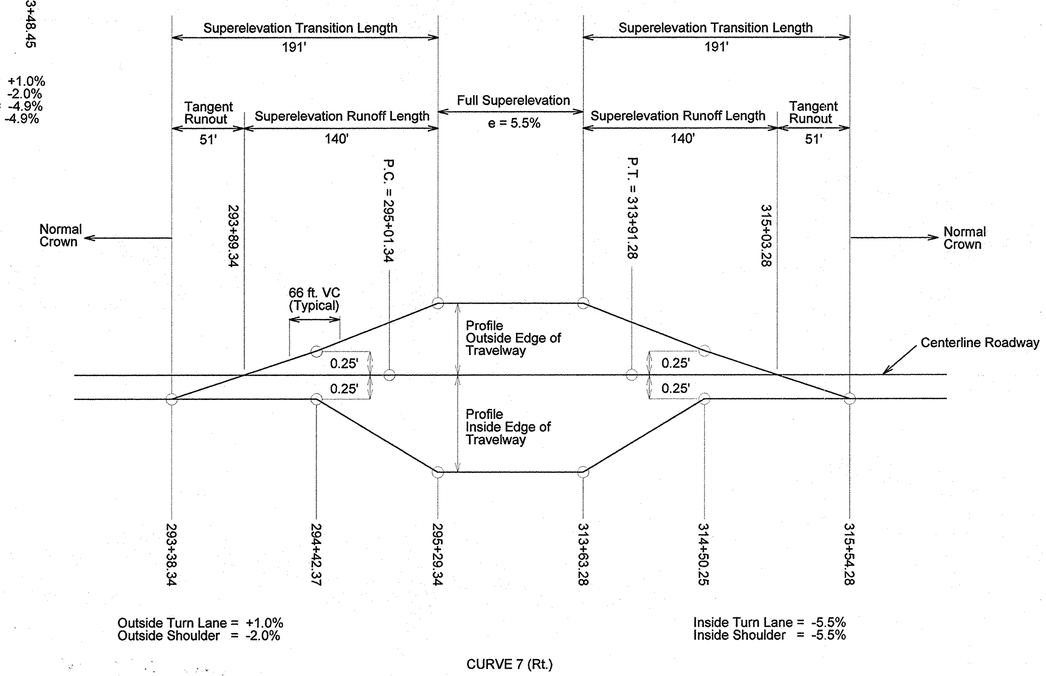
CURVE 2 (Rt.)

STEVEN D. BOYER
REGISTERED
No. 900346
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: DESIGN ENGINEER 5-18-05 DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE / VERTICAL SCALE / DESIGNATION 0200426
DESIGNED:	DRAWN:	SUPERELEVATION TRANSITION DETAILS	SURVEY BOOK / SHEETS 30 of 378
CHECKED:	CHECKED:		CONTRACT R-27134 / PROJECT SR 19



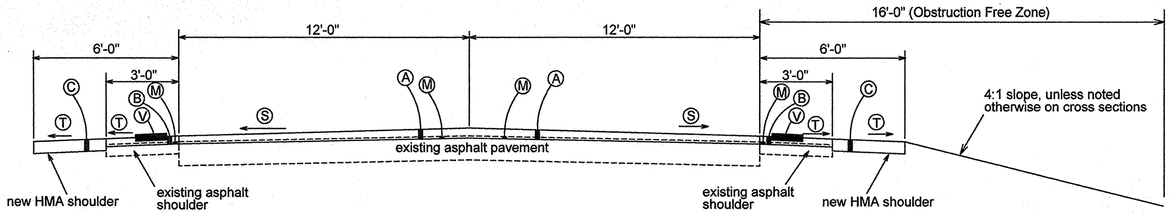
CURVE 3, 4, 5 (Lt.)



CURVE 7 (Rt.)

STEVEN D. BOYER
REGISTERED
No. 90636
STATE OF INDIANA
PROFESSIONAL ENGINEER

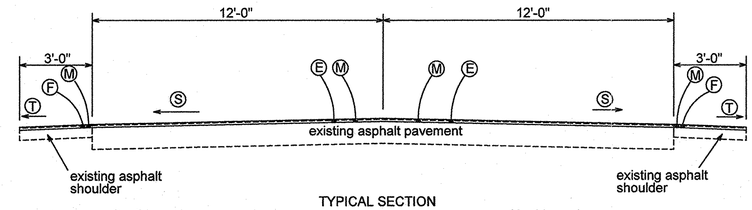
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE		INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE / VERTICAL SCALE / DESIGNATION 0200426
DESIGNED:	DRAWN:	SUPERELEVATION TRANSITION DETAILS	SURVEY BOOK / SHEETS 31 of 378
CHECKED:	CHECKED:		CONTRACT R-27134 / PROJECT SR 19



TYPICAL SECTION

Southbound
Sta. 129+35 to Sta. 152+20
Sta. 162+30 to Sta. 182+10
Sta. 191+00 to Sta. 219+30
Sta. 233+05 to Sta. 234+45
Sta. 240+45 to Sta. 251+15
Sta. 262+15 to Sta. 282+20
Sta. 292+60 to Sta. 340+15
Sta. 350+10 to Sta. 392+95
Sta. 402+85 to Sta. 445+70
Sta. 455+60 to Sta. 460+15

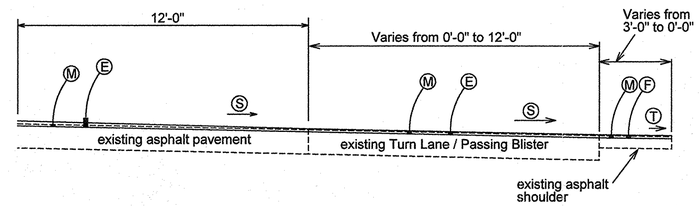
Northbound
Sta. 120+90 to Sta. 128+75
Sta. 132+40 to Sta. 148+20
Sta. 158+30 to Sta. 182+10
Sta. 199+20 to Sta. 219+00
Sta. 240+30 to Sta. 248+90
Sta. 259+50 to Sta. 277+80
Sta. 288+20 to Sta. 336+75
Sta. 346+70 to Sta. 389+55
Sta. 399+50 to Sta. 442+30
Sta. 452+30 to Sta. 457+25



TYPICAL SECTION

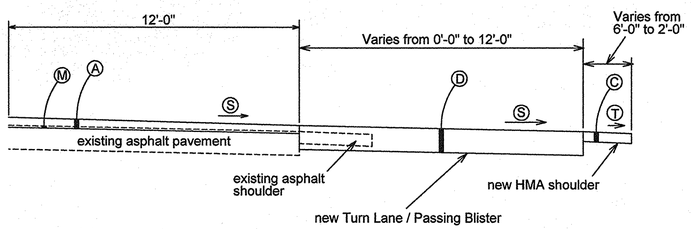
Southbound
Sta. 484+32 to Sta. 485+39
Sta. 487+96 to Sta. 488+68
Sta. 493+32 to Sta. 495+30
Sta. 498+18 to Sta. 500+16

Northbound
Sta.482+86 to Sta. 488+93
Sta. 490+87 to Sta. 498+54



TYPICAL SECTION

Sta. 470+40 to Sta. 482+86 Northbound
Sta. 470+40 to Sta. 484+32 Southbound
Sta. 485+39 to Sta. 487+96 Southbound
Sta. 488+68 to Sta. 493+32 Southbound
Sta. 488+93 to Sta. 490+87 Northbound
Sta. 495+30 to Sta. 498+18 Southbound
Sta. 498+54 to Sta. 502+12 Northbound
Sta. 500+16 to Sta. 502+12 Southbound



TYPICAL SECTION

Sta. 109+50 to Sta. 120+90 (Northbound)
Sta. 109+50 to Sta. 129+35 (Southbound)
Sta. 128+75 to Sta. 132+40 (Northbound)
Sta. 148+20 to Sta. 158+30 (Northbound)
Sta. 152+20 to Sta. 162+30 (Southbound)
Sta. 182+10 to Sta. 199+20 (Northbound)
Sta. 182+10 to Sta. 191+00 (Southbound)
Sta. 219+00 to Sta. 240+30 (Northbound)
Sta. 219+30 to Sta. 233+05 (Southbound)
Sta. 234+45 to Sta. 240+45 (Southbound)
Sta. 248+90 to Sta. 259+50 (Northbound)
Sta. 251+15 to Sta. 262+15 (Southbound)
Sta. 277+80 to Sta. 288+20 (Northbound)
Sta. 282+20 to Sta. 292+60 (Southbound)
Sta. 336+75 to Sta. 346+70 (Northbound)
Sta. 340+15 to Sta. 350+10 (Southbound)
Sta. 389+55 to Sta. 399+50 (Northbound)
Sta. 392+95 to Sta. 402+85 (Soutlhbound)
Sta. 442+30 to Sta. 452+30 (Northbound)
Sta. 445+70 to Sta. 455+60 (Southbound)
Sta. 457+25 to Sta. 470+40 (Northbound)
Sta. 460+15 to Sta. 470+40 (Southbound)

Ⓐ 165 #/syd QC/QA HMA, 2, 64, Surface, 9.5mm over
275 #/syd QC/QA HMA, 2, 64, Intermediate, 19.0mm
(Vary Surface from 110 #/syd to 220 #/syd &/or Intermediate from 220 #/syd to 440 #/syd to obtain required slopes)

Ⓑ 165 #/syd QC/QA HMA, 2, 64, Surface, 9.5mm over
275 #/syd QC/QA HMA, 2, 64, Intermediate, 19.0mm
(Vary Surface from 110 #/syd to 220 #/syd &/or Intermediate from 220 #/syd to 440 #/syd to match mainline overlay depth &/or to obtain required slopes)

Ⓒ 165 #/syd QC/QA HMA, 2, 64, Surface, 9.5mm over
385 #/syd QC/QA HMA, 2, 64, Intermediate, 19.0mm over
6" Compacted Aggregate Base

Ⓓ 165 #/syd QC/QA HMA, 2, 64, Surface, 9.5mm over
275 #/syd QC/QA HMA, 2, 64, Intermediate, 19.0mm over
880 #/syd QC/QA HMA, 2, 64, Base, 25.0mm

Ⓔ 165 #/syd QC/QA HMA, 2, 64, Surface, 9.5mm
(Vary Surface from 110 #/syd to 220 #/syd as needed to obtain required slopes)

Ⓕ 165 #/syd QC/QA HMA, 2, 64, Surface, 9.5mm
(Vary Surface from 110 #/syd to 220 #/syd to match mainline overlay depth &/or to obtain required slopes)

Ⓜ Milling, Asphalt, 1"

Ⓢ Slope, 2.00% or required superelevation

Ⓣ Slope, 4.00% or required superelevation

Ⓥ Intermittent Milled HMA Shoulder Corrugations (rural areas only)
Sta. 114+00± to Sta. 237+50±
Sta. 269+50± to Sta. 470+40

STEVEN D. BOYD
REGISTERED
No. 910336
STATE OF INDIANA
PROFESSIONAL ENGINEER

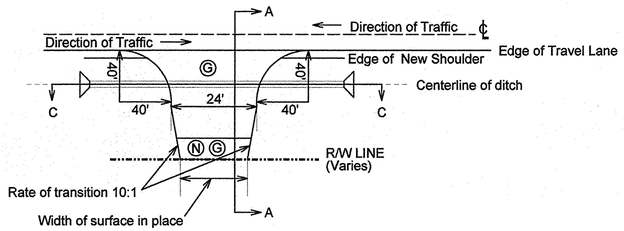
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5-16-05

DESIGNED: DRAWN:
CHECKED: CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

TYPICAL MAINLINE SECTIONS

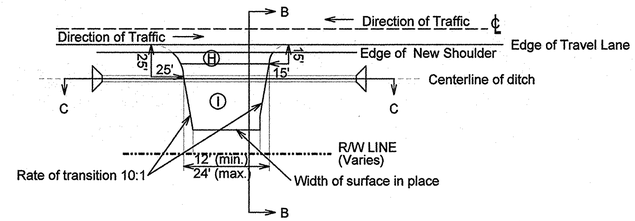
HORIZONTAL SCALE	DESIGNATION
3/8"=1'-0"	0200426
VERTICAL SCALE	
3/8"=1'-0"	0300769
SURVEY BOOK	SHEETS
	32 of 378
CONTRACT	PROJECT
R-27134	SR 19



PLAN

Public Road Approach

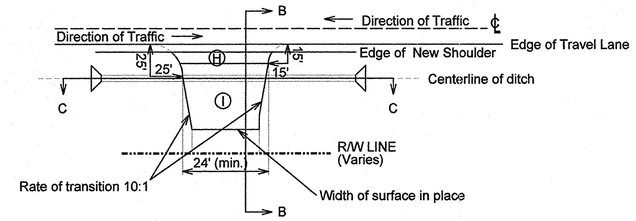
Sta. 109+50 to Sta. 470+40



PLAN

Private Drive Unimproved (II)

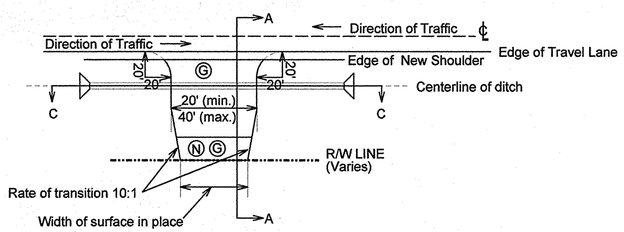
Sta. 109+50 to Sta. 470+40



PLAN

Field Entrance Unimproved (V)

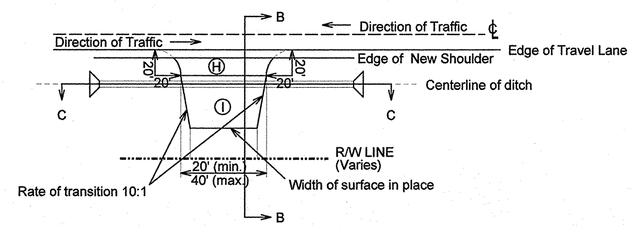
Sta. 109+50 to Sta. 470+40



PLAN

Commercial Drive Improved (IV)

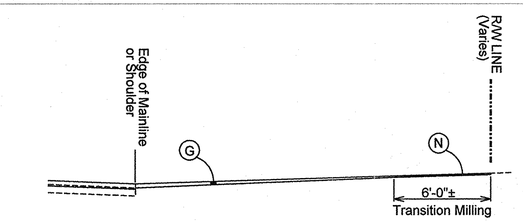
Sta. 109+50 to Sta. 470+40



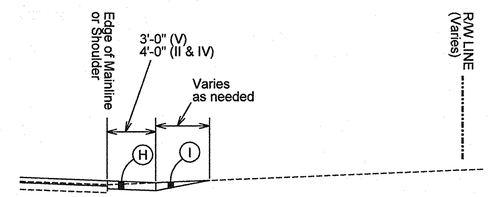
PLAN

Commercial Drive Unimproved (IV)

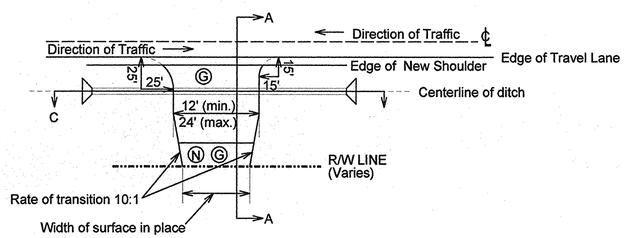
Sta. 109+50 to Sta. 470+40



SECTION A - A



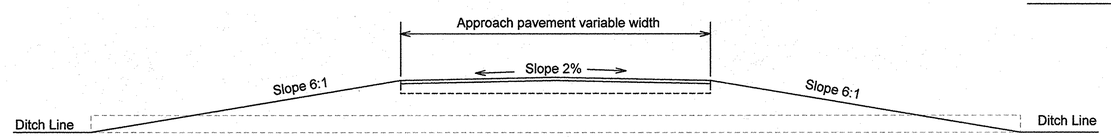
SECTION B - B



PLAN

Privite Drive Improved (II)

Sta. 109+50 to Sta. 470+40



SECTION C - C

(G) Variable Depth HMA for Approaches, Type B (Varies from 110 #/syd to 330 #/syd)

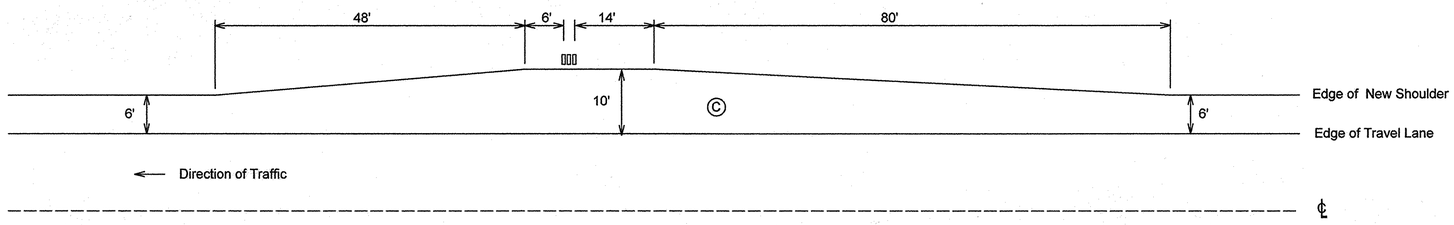
(H) 550 #/syd HMA for Approaches, Type B

(I) Compacted Aggregate, No. 53 (Variable Depth)

(N) Milling, Transition

STEVEN D. BOYER REGISTERED No. 90345 STATE OF INDIANA

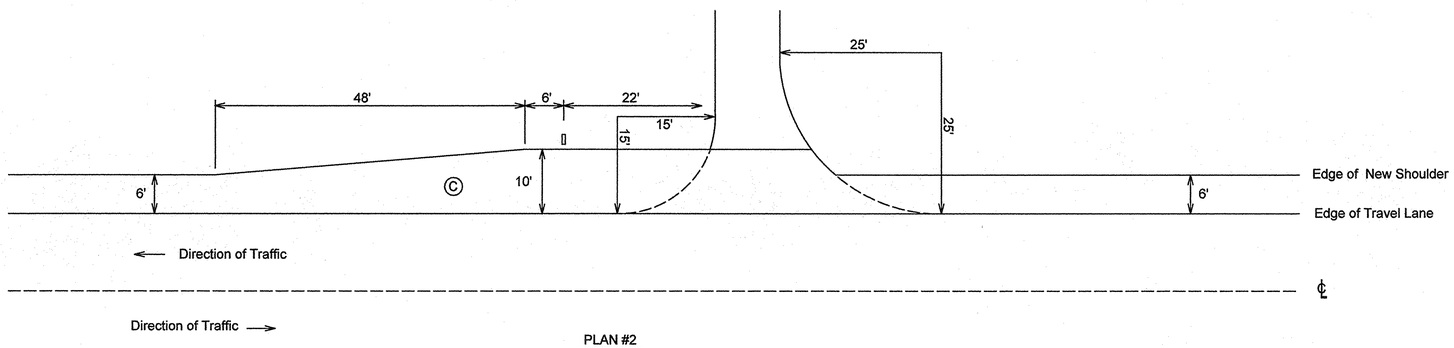
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 3/8"=1'-0" / VERTICAL SCALE 3/8"=1'-0"	DESIGNATION 0200426
DESIGNED: / DRAWN: / CHECKED: / CHECKED:	TYPICAL APPROACH DETAILS	SURVEY BOOK / CONTRACT R-27134	SHEETS 33 of 378 / PROJECT SR 19



PLAN #1

Typical Mailbox Approach

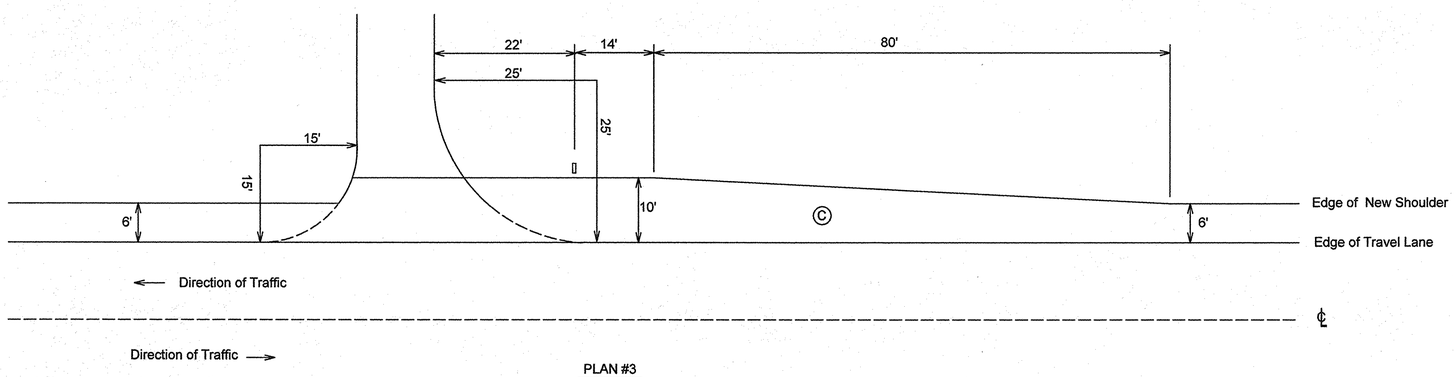
Sta. 109+50 to Sta. 470+40



PLAN #2

Combination Mailbox Approach & Drive

Sta. 109+50 to Sta. 470+40



PLAN #3

Combination Mailbox Approach & Drive

Sta. 109+50 to Sta. 470+40

Ⓒ 165 #/syd QC/QA HMA, 2, 64, Surface, 9.5mm over
385 #/syd QC/QA HMA, 2, 64, Intermediate, 19.0mm over
6" Compacted Aggregate Base

1. Mailbox approach pavement shall be the same as the shoulder pavement
2. See Standard Drawing No. E 611-MBAS-04 for Elevation Views

STEVEN D. BOYER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

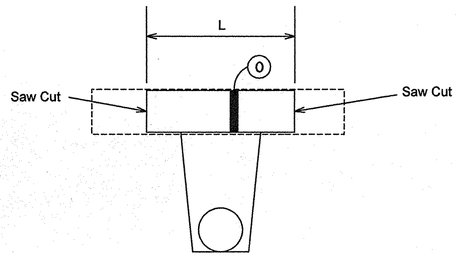
RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5-16-05

DESIGNED: DRAWN:
CHECKED: CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

TYPICAL MAILBOX APPROACH DETAILS

HORIZONTAL SCALE	DESIGNATION
VERTICAL SCALE	0200426
SURVEY BOOK	SHEETS 34 of 378
CONTRACT	PROJECT
R-27134	SR 19

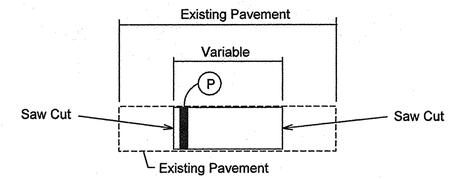


(O) Replacement HMA Pavement for Structure Replacements

Mainline:
165 #/syd HMA Surface, 9.5mm, Type B over
385 #/syd HMA Intermediate, 19.0mm, Type B over
770 #/syd HMA Base, 25.0mm, Type B

Improved Drives:
165 #/syd HMA Surface, 9.5mm, Type B over
385 #/syd HMA Intermediate, 19.0m Type B

ASPHALT PAVEMENT PATCHING DETAIL
(UNDISTRIBUTED PATCHING, FOR INFORMATION ONLY)

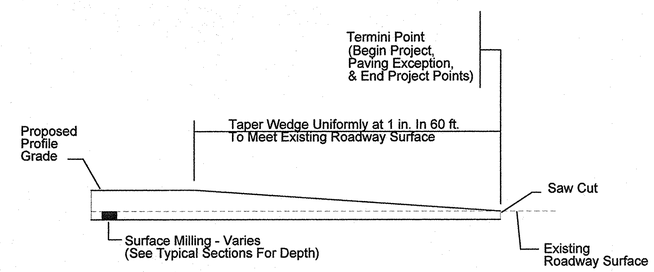


TYPICAL SECTION

(P) Remove Existing Pavement & Replace With -

Mainline Pavement Patching:
1320 #/syd HMA For Patching, Type B
(12" or to bottom of Existing Asphalt Pavement, Whichever Is Less.)

ASPHALT WEDGE DETAIL AT PAVEMENT TERMINI



SECTION W/ CONTINUOUS MAINLINE MILLING

General Notes:

1. Riprap shall be placed on all slopes 2:1 or greater with the exception from Sta. 111+83 to Sta. 117+37 Left, in which Sodding shall be placed instead of riprap
2. Sodding shall be placed 3'-0" each side of centerline of all new ditch lines with a grade of 1.00% or greater
3. HMA Replacement Pavement shall be in accordance with Recurring Plan Detail E715-R-478d
4. Pipe Structure Backfill shall be in accordance with Standard Drawings E715-BKFL-01 thru 09
5. Intermittend Milled HMA Shoulder Corrugations shall be in accordance with Standard Drawings E606-SHCG-01 thru -05
6. Obstruction Free Zone is 28'-0" from Centerline of Mainline
7. Pipe end sections are not required for pipe ends beyond Obstruction Free Zone

STEVEN D. BOYD REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 8-10-06	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE / VERTICAL SCALE	DESIGNATION 0200426 / 0300769
DESIGNED: / DRAWN: / CHECKED: / CHECKED:	MISC. DETAILS & GENERAL NOTES	SURVEY BOOK / CONTRACT R-27134	SHEETS 35 of 378 / PROJECT SR 19

MAILBOX APPROACHES

LT/RT	BOX STATION	DESCRIPTION	AREA (sq. ft.)	ASSEMBLY REQ'D		
					SINGLE	
Lt	114+92	no approach needed			2	
Lt	114+87	no approach needed			1	
Lt	117+67	no approach needed			1	
Lt	119+25	no approach needed			2	
Rt	119+87	(single approach)			1	
Rt	120+21	119+65 to 120+43	277.0		1	
Lt	125+12	no approach needed			1	
Lt	125+15	no approach needed			1	
Lt	127+77	no approach needed			1	
Lt	128+46	no approach needed			1	
Lt	134+40	(single approach)			4	
Lt	135+12	134+18 to 135+34	453.0		1	
Lt	178+48	type 2	208.0		1	
Lt	184+18	no approach needed			1	
Lt	188+99	no approach needed			1	
Lt	190+34	no approach needed			1	
Lt	196+71	type 3	465.0		1	
Lt	202+92	type 3	304.0		1	
Lt	208+92	type 1	336.0		1	
Rt	235+54	no approach needed			1	
Rt	235+82	no approach needed			1	
Rt	238+43	no approach needed			2	
Rt	240+27	type 1	336.0		1	
Rt	257+17	no approach needed			3	
Rt	260+08	type 2	208.0		1	
Rt	262+61	type 2	208.0		1	
Rt	263+85	(single approach)			1	
Rt	263+98	263+63 to 264+20	194.0		1	
Rt	279+16	no approach needed			1	
Rt	281+86	no approach needed			2	
Rt	399+08	(single approach)			1	
Rt	399+94				1	
Rt	401+93	398+14 to 402+47	1476.0		1	
Rt	417+33	type 1	336.0		1	
Rt	419+49	type 2	208.0		1	
Rt	423+45	type 3	304.0		2	
Rt	425+07	(single approach)			2	
Rt	426+31				1	
Rt	427+33				1	
Rt	428+37				1	
Rt	429+45				2	
Rt	431+14				5	
Rt	431+59				1	
Rt	432+12				1	
Rt	432+89				5	
Rt	433+90				1	
Rt	434+81	424+85 to 435+35	4104.0		4	
Rt	451+87	(single approach)			1	
Rt	452+22	451+65 to 452+44	316.0		1	
Rt	454+90	(single approach)			2	
		454+76 to 455+05	116.0			
Rt	457+43	type 2	203.0		1	
Rt	459+11	no approach needed			1	
Rt	460+55	no approach needed			1	
Rt	461+37	no approach needed			1	

Total Area = 10,052.0 sq. ft.

LT/RT	BOX STATION	DESCRIPTION	AREA (sq. ft.)	ASSEMBLY REQ'D		
					SINGLE	

LT/RT	BOX STATION	DESCRIPTION	AREA (sq. ft.)	ASSEMBLY REQ'D		
					SINGLE	

STEVEN D. BOWER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5-16-05

DESIGNED: DRAWN:

CHECKED: CHECKED:

INDIANA
DEPARTMENT OF TRANSPORTATION

MAILBOX APPROACH TABLE

BRIDGE FILE	
DESIGNATION	0200426
SURVEY BOOK	SHEET 36 of 378
CONTRACT R-27134	PROJECT SR 19

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE: COMPACTED AGGREGATE BASE	SURFACE BEYOND R/W LINE: HMA	SURFACE BEYOND R/W LINE: CONCRETE	GRADE 1	GRADE 2	EXCAVATION: CUT	EXCAVATION: FILL	CLEAR ZONE AT DRIVE	HMA FOR APPROACHES (lbs / yd²): 220	HMA FOR APPROACHES (lbs / yd²): 550	HMA FOR APPROACHES (lbs / yd²): 1320	HMA FOR APPROACHES: Ton	HMA MATERIALS (lbs / yd²): SURFACE 9.5 mm, M-LINE	HMA MATERIALS:	HMA MATERIALS (lbs / yd²): INTERMD. 19.0 mm, M-LINE	HMA MATERIALS:	HMA MATERIALS (lbs / yd²): BASE 25.0 mm, M-LINE	HMA MATERIALS:	HMA MATERIALS:	HMA BASE 25 mm, M-LINE	SEAL COAT TYPE 2	SEAL COAT TYPE 5	ASPHALT MATERIAL FOR: PRIME COAT	ASPHALT MATERIAL FOR: TACK COAT	Length	COMPACTED AGGREGATE FOR SURFACE NO. 73 DEPTH Variable	COMPACTED AGGREGATE FOR SURFACE NO. 73 DEPTH 6"	COMPACTED AGGREGATE FOR SURFACE NO. 73	COMPACTED AGGREGATE FOR BASE NO. 53 DEPTH 6"	COMPACTED AGGREGATE FOR BASE NO. 53	REMARKS
		ft	ft	ft	ft	yd²	yd²	yd²	%	%	ft²	ft²	ft	ft²	ft²	ft²	Ton	ft²	ft²	ft²	ft²	ft²	ft²	ft²	Ton	ft²	ft²	ft²	ft²	ft	ft²	ft²	Ton	ft²	Ton	
110+11.7	Main St.	24.0	46.0	40/40										2944			36.0																		
110+21.6	266th St.	24.0	46.0	40/40										2944			36.0																		
111+41.1	IV	37.0	14.5	20/20										655			8.0																		
112+82.8	IV	20.0	4.0	20/20											176		5.4												9.5	309		5.7			
113+95.2	II	12.0	14.0	15/25										308			3.8																		
114+64.0	II	12.0	14.0	15/25										308			3.8																		
115+14.7	II	12.0	4.0	15/25											144		4.4												10.0	240		4.4			
117+37.5	II	17.0	4.0	15/25											164		5.0												10.0	290		5.3			
117+51.6	Mosbaugh Rd.	24.0	55.0	40/40										2920			35.9																		
119+56.0	II	18.0	14.0	15/25										420			5.1																		
119+59.1	II	13.0	4.0	15/25											148		4.5												16.0	400		7.3			
120+52.3	II	17.0	22.0	15/25										638			7.8																		
121+29.0	II	16.0	14.0	15/25										392			4.8																		
122+12.6	II	19.0	14.0	15/25										434			5.3																		
122+69.2	Gray Fox Run	24.0	16.0	40/40										1984			24.2																		
123+38.7	II	19.0	14.0	15/25										434			5.3																		
124+86.6	II	16.0	14.0	15/25										392			4.8																		
125+40.4	II	15.0	4.0	15/25											156		4.8												9.5	257		4.7			
127+05.1	II	18.0	14.0	15/25										420			5.1																		
128+07.4	II	15.0	14.0	15/25										378			4.6																		
128+76.2	II	16.0	4.0	15/25											160		4.9												14.5	406		7.4			
131+12.1	IV	29.0	14.0	20/20										581			7.1																		
131+55.1	V	24.0	3.0	15/25											144		4.4												19.0		684	25.1			
132+69.2	V	32.0	3.0	15/25											168		5.1												13.5		594	21.8			
134+08.3	IV	20.0	4.0	20/20											180		5.5												18.0	585		10.7			
135+40.6	II	12.0	4.0	15/25											144		4.4												18.0	432		7.9			
137+37.9	II	19.0	4.0	15/25											172		5.3												17.5	543		10.0			
155+26.6	Lt 274th St.	24.0	54.5	40/40										2908			35.5																		
155+26.7	Rt 274th St.	24.0	85.0	40/40										3640			44.4																		
176+88.6	V	24.0	3.0	15/25											144		4.4												18.5		666	24.4			
178+77.0	II	14.0	22.0	15/25										572			7.0																		
183+88.2	II	16.0	4.0	15/25											160		4.9												14.5	406		7.4			
185+29.1	Lt 279th St.	24.0	37.5	40/40										2500			30.5																		
186+98.2	IV	20.0	14.0	20/20										455			5.6																		
188+65.5	IV	22.0	14.0	20/20										483			5.9																		
190+42.1	II	15.0	4.0	15/25											156		4.8												0.0						
192+07.6	Lt Railroad St.	24.0	39.5	40/40										2548			31.1																		
195+88.8	Lt 281st St.	24.0	58.0	40/40										2992			36.5																		
196+00.0	Rt 281st St.	24.0	46.0	40/40										2704			33.0																		
199+31.2	V	24.0	3.0	15/25											144		4.4												13.5		486	17.8			
202+64.2	II	12.0	22.0	15/25										528			6.4																		
208+04.0	V	24.0	3.0	15/25											144		4.4												17.5		630	23.1			
208+92.5	II	13.0	4.0	15/25											148		4.5												7.0	175		3.2			
213+50.8	V	24.0	3.0	15/25											144		4.4												19.0		684	25.1			
222+45.2	Rt 286th St.	24.0	47.0	40/40										2728			33.3																		
222+48.0	Lt 286th St.	24.0	46.0	40/40										2704			33.0																		
228+11.3	V	24.0	3.0	15/25											144		4.4												11.0		396	14.5			
229+92.9	Rt South Central St.	24.0	58.0	40/40										2992			36.5																		
235+82.5	II	19.0	17.5	15/25										543			6.6																		
236+45.9	II	24.0	14.0	15/25										504			6.1																		
237+09.3	Rt. Indiana St.	24.0	39.0	40/40										2536			30.9																		
237+67.9	II	18.0	14.0	15/25										420			5.1																		
238+74.6	IV	20.0	4.0	20/20											180		5.5												16.0		520	19.1			
239+01.4	II	17.0	17.0	15/25										493			6.0																		
240+27.6	II	12.0	4.0	15/25											144		4.4												18.0	432		7.9			
246+37.1	IV	20.0	4.0	20/20											180		5.5												11.5		374	13.7			
251+05.8	V	24.0	3.0	15/25											144		4.4												11.0		396	14.5			
254+07.3	Rt. Adams St.	24.0	115.0	40/40										4360			53.2																		
254+75.0	Lt. Adams St.	20.0	99.5	40/40												3600	264.0												99.5				3600	132.0	
255+79.5	Lt. John St.(remove)																																		
255+86.5	Rt. John St.	24.0	91.5	40/40										3796			46.3																		
256+81.3	II	12.0	4.0	15/25											144		4.4												11.0		264	9.7			
259+73.7	II	24.0	22.0	15/25										792			9.7																		
260+78.4	V	24.0	3.0	15/25											144		4.4												11.0		396	14.5			
260+78.4	V	24.0	3.0	15/25											144		4.4												19.0		684	25.1			
262+30.5	II	16.0	4.0	15/25											160		4.9												7.0	196		3.6			
263+55.9	II	15.0	22.0	15/25										594			7.2																		
264+28.0	II	16.0	22.0	15/25										616			7.5																		
269+32.2	V	24.0	3.0	15/25											144		4.4												18.5		666	24.4			
273+11.2	V	24.0	3.0	15/25											144		4.4												15.0	540		9.9			
278+15.9	V	24.0	3.0	15/25											144		4.4												18.5		666	24.4			

STEVEN D. SOYER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5-16-06

DESIGNED: DRAWN:

CHECKED: CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

ROAD SUMMARY OF QUANTITIES

BRIDGE FILE

DESIGNATION 0200426

SURVEY BOOK

SHEET 37 of 378

CONTRACT R-27134

PROJECT SR 19

PAVEMENT QUANTITIES AND APPROACH TABLE

LOCATION	DESCRIPTION (APPROACH TYPE OR CLASS)	WIDTH	LENGTH	RADII	DISTANCE BEYOND R/W LINE	SURFACE BEYOND R/W LINE: COMPACTED AGGREGATE BASE	SURFACE BEYOND R/W LINE: HMA	SURFACE BEYOND R/W LINE: CONCRETE	GRADE 1	GRADE 2	EXCAVATION CUT	EXCAVATION FILL	CLEAR ZONE AT DRIVE	HMA FOR APPROACHES (lbs / yd²) 220	HMA FOR APPROACHES (lbs / yd²) 550	HMA FOR APPROACHES (lbs / yd²) 1320	HMA FOR APPROACHES Ton	HMA MATERIALS (lbs / yd²): SURFACE 9.5 mm, M-LINE	HMA MATERIALS (lbs / yd²):	HMA MATERIALS (lbs / yd²): INTERMD. 19.0 mm, M-LINE	HMA MATERIALS (lbs / yd²):	HMA MATERIALS (lbs / yd²): BASE 25.0 mm, M-LINE	HMA MATERIALS (lbs / yd²):	HMA MATERIALS (lbs / yd²):	HMA BASE 25 mm, M-LINE	SEAL COAT TYPE 2	SEAL COAT TYPE 5	ASPHALT MATERIAL FOR: PRIME COAT	ASPHALT MATERIAL FOR: TACK COAT	Length	COMPACTED AGGREGATE FOR SURFACE NO. 73 DEPTH Variable	COMPACTED AGGREGATE FOR SURFACE NO. 73 DEPTH 6"	COMPACTED AGGREGATE FOR SURFACE NO. 73	COMPACTED AGGREGATE FOR BASE NO. 53 DEPTH 6"	COMPACTED AGGREGATE FOR BASE NO. 53	REMARKS
		ft	ft	ft	ft	yd²	yd²	yd²	%	%	ft²	ft²	ft	ft²	ft²	ft²	Ton	ft²	ft²	ft²	ft²	ft²	ft²	ft²	Ton	ft²	ft²	ft²	ft²	ft	ft²	ft²	Ton	ft²	Ton	
279+48.9	IV	22	4.0	20/20											188		5.8													0.0						
280+46.4	IV	20	4.0	20/20											180		5.5													10.0	320		5.9			
281+19.8	IV	21	4.0	20/20											184		5.6													6.0	198		3.6			
282+24.8	IV	33	4.0	20/20											232		7.1													3.5	158		2.9			
285+17.0	Lt. 600 S.	24	99.5	40/40										3988			48.7																			
285+18.5	Rt. 600 S.	24	99.5	40/40										3988			48.7																			
288+64.4	V	24	3.0	15/25											144		4.4													19.0		684	20.9			
299+81.0	V	24	3.0	15/25											144		4.4													18.0		648	19.8			
299+88.5	V	24	3.0	15/25											144		4.4													15.5		558	17.1			
303+77.3	V	24	3.0	15/25											144		4.4													15.5	558		10.2			
303+86.3	V	24	3.0	15/25											144		4.4													18.5		666	20.4			
316+76.1	V	24	3.0	15/25											144		4.4													19.0		684	20.9			
323+43.8	V	24	3.0	20/20											144		4.4													18.0		648	19.8			
335+80.6	II	13	4.0	15/25											148		4.5													18.0		450	13.8			
340+23.5	IV	20	4.0	20/20											180		5.5													10.0	325		5.9			
343+43.9	Lt. 500 S.	24	36.0	40/40										2464			30.1																			
343+45.5	Rt. 500 S.	24	36.0	40/40										2464			30.1																			
368+07.9	Lt. 455 S.	24	38.0	40/40										2512			30.6																			
379+00.0	IV	20	22.0	20/20										715			8.7																			
380+56.5	IV	20	22.0	20/20										715			8.7																			
396+19.5	Lt. 400 S.	24	36.0	40/40										2464			30.1																			
396+19.5	Rt. 400 S.	24	36.0	40/40										2464			30.1																			
399+08.5	II	12	4.0	15/25											144		4.4													9.0	216		4.0			
399+93.7	II	18	14.0	15/25										420			5.1																			
401+92.9	II	18	15.0	15/25										450			5.5																			
416+07.8	V	26	3.0	15/25											150		4.6													19.0		722	22.1			
416+10.4	II	16	4.0	15/25											160		4.9													17.5		490	15.0			
417+27.3	II	12	4.0	15/25											144		4.4													15.0	360		6.6			
419+20.9	II	12	4.0	15/25											144		4.4													17.5		420	12.9			
423+75.7	IV	22	4.0	20/20											188		5.8													17.0	587		10.7			
423+76.6	II	15	22.0	15/25										594			7.2																			
424+75.9	II	18	4.0	15/25											168		5.1													17.5		525	16.1			
425+04.9	II	19	4.0	15/25											172		5.3													17.0	527		9.6			
426+31.5	II	19	22.0	15/25										682			8.3																			
427+32.9	II	13	22.0	15/25										550			6.7																			
428+65.9	II	13	4.0	15/25											148		4.5													17.5	438		8.0			
428+88.1	V	24	3.0	15/25											144		4.4													15.0	540		9.9			
429+43.3	II	12	4.0	15/25											144		4.4													9.0	216		4.0			
429+73.8	II	12	22.0	15/25										528			6.4																			
430+50.8	II	14	4.0	15/25											152		4.7													18.0	468		8.6			
431+14.4	IV	20	22.0	20/20										715			8.7																			
431+90.5	II	20	4.0	15/25											176		5.4													17.0		544	16.6			
432+43.8	II	20	4.0	15/25											176		5.4													12.0	384		7.0			
432+96.7	IV	20	22.0	20/20										715			8.7																			
433+16.9	II	12	4.0	15/25											144		4.4													17.0	408		7.5			
434+18.0	II	12	4.0	15/25											144		4.4													15.0	360		6.6			
434+81.3	IV	20	22.0	20/20										715			8.7																			
439+22.0	II	12	4.0	15/25											144		4.4													16.0	384		7.0			
447+56.2	V	24	3.0	15/25											144		4.4													15.5		558	17.1			
448+97.4	Rt. 300 S.	24	36.0	40/40										2464			30.1																			
448+99.7	Lt. 300 S.	24	36.0	40/40										2464			30.1																			
451+58.2	II	15	4.0	15/25											156		4.8													16.0	432		7.9			
452+50.9	II	13	4.0	15/25											148		4.5													17.5	438		8.0			
454+69.5	II	13	22.0	15/25										550			6.7																			
455+10.7	II	12	22.0	15/25										528			6.4																			
457+11.5	II	18	22.0	15/25										660			8.1																			
458+79.8	II	18	14.0	15/25										420			5.1																			
459+63.5	II	12	14.0	15/25										336			4.1																			
460+83.3	II	12	14.0	15/25										336			4.1																			
461+08.9	II	12	14.0	15/25										336			4.1																			
463+90.6	Rt. Nansue Dr.	24	41.0	40/40										2584			31.5																			
469+69.2	Rt. Dover Ln.	24	40.0	40/40										2560			31.2																			

STEVEN D. SOYED
PROPERTY OF
No. 900345
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 04-16-08

DESIGNED: DRAWN:

CHECKED: CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

ROAD SUMMARY OF QUANTITIES

	BRIDGE FILE
	DESIGNATION 0200426
SURVEY BOOK	SHEET 38 of 378
CONTRACT R-27134	PROJECT SR 19

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION STATION	LEFT	RIGHT	CROSS	OFFSET ft	SIZE in	DESCRIPTION PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH ft	SKEW	FLOW LINE COVER ft	UP STREAM ELEV.	DOWN STREAM ELEV.	SERVICE LIFE YRS.	SITE DESIGNATION	pH**	BACKFILL METHOD	FLOWABLE FILL FOR STR. BACKFILL yd^3	STRUCTURE BACKFILL yd^3	REVETMENT RIPRAP size-mm ton	PAVEMENT REPLACEMENT FOR STR. yd2	PIPE END SECTION EA.	GRATED BOX END SECTION TYPE	GRATED BOX END SECTION SLOPE	GRATED BOX END SECTION EA.	SAFETY METAL END SECTION TYPE	SAFETY METAL END SECTION SLOPE	SAFETY METAL END SECTION EA.	CONNECT TO STR.	REMARKS
1	101+33.9	X				12		RCP																						no work to be done
2	102+42.1	X			21.1			2'x2' Behive Inlet																						no work to be done
3	103+05.4	X			27.9			Curb Inlet																						no work to be done
4	104+34.6	X			20.1			2'x2' Behive Inlet																						no work to be done
5																														
6																														
7	105+39.2	X			42.8			Storm Inlet																						no work to be done
8	105+39.8		X			63		RCP																						no work to be done
9																														
10	105+72.8	X			29.8			Storm Manhole																						no work to be done
11																														
12																														
13	106+09.6	X			48.5			Sewer Manhole																						no work to be done
14																														
15	108+48.2	X			27.1	15		CMP																						no work to be done
16																														
17																														
18																														
19	109+96.4		X		35.0	15		CMP																						no work to be done
20																														
21	110+21.6		X		37.0	12	1	CMP	14.0		1.29	849.38		75			1	0.0	0.0		0.0									remove 1 existing headwall; Extend 14.0 ft. North
22																														
23	110+62.2	X				4		PVC																						no work to be done
24	110+63.4	X				6		PVC																						no work to be done
25	111+41.1	X			33.3	15		CMP																						no work to be done
26																														
27	112+82.8	X			33.7	15	3	CMP	51.0		0.85	849.88	849.61	50			2	0.0	7.0		0.0									Remove existing pipe; Relocate to new ditch line with new pipe
28	113+95.2	X			31.8	15	3	RCP	56.0		1.63	850.51	850.21	50			2	0.0	6.9		19.2									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
29	114+64.0	X			31.5	15	3	CMP	50.5		1.48	850.85	850.58	50			2	0.0	5.0		19.2									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
30	115+14.7	X			31.6	15	3	RCP	50.5		1.51	851.13	850.87	50			2	0.0	8.2		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
31	117+37.5	X			32.7	15	3	CMP	58.0		1.53	852.33	852.02	50			2	0.0	8.0		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
32	117+51.6		X		35.3	15	1	RCP	99.5		2.61	853.39	851.71	75			1	14.2	0.0		19.7									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
33	119+48.2		X			4	4	Perf. Corr. Plastic	10.0					50			2													Extend & re-route existing pipe to South end of Str. No. 35
34	119+56.0	X			33.3	15	3	CMP	45.5		0.49	853.44	853.20	50			2	0.0	5.6		28.2									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
35	119+59.1		X		31.0	15	3	CMP	44.5		1.17	854.56	854.34	50			2	0.0	5.9		0.0									Remove 1 existing headwall & pipe; Relocate to new ditch line with new pipe
36	120+52.3		X		28.1	15	3	CMP	40.5		0.95	855.47	854.82	50			2	0.0	4.3		16.4	2								Remove existing pipe; Relocate to new ditch line with new pipe & add 2 end sections
37	121+29.0	X			32.1	15	3	CMP	44.0		0.42	854.35	854.12	50			2	0.0	4.0		25.0									Remove existing pipe; Relocate to new ditch line with new pipe
38	122+12.6	X			24.3	15	3	CMP	20.2								2	0.0	0.0		15.0									Remove existing pipe; Do Not Replace
39	122+69.2	X			31.8	12	1	CMP	45.0								1	0.0	9.0		18.2									Remove existing pipe; Do Not Replace
40	123+38.7	X			34.7	15	3	CMP	47.5		0.73	854.29	854.19	50			2	0.0	4.6		29.9									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
41	124+86.6	X			35.2	15	3	CMP	44.0		0.72	854.02	853.83	50			2	0.0	4.1		25.2									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
42	125+40.4	X			35.9	15	3	CMP	41.5		0.63	853.71	853.45	50			2	0.0	5.1		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
43	126+07.3			X		15	1	RCP	19.0			852.75	852.65	75			1	0.0	0.0		0.0									Remove 2 existing headwalls; Extend 9.0 ft. East & 8.0 ft. West
44	127+05.1	X			35.1	15	3	CMP	47.5		0.80	853.66	853.50	50			2	0.0	4.4		28.4									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
45	128+07.4	X			35.1	15	3	CMP	41.0		0.50	853.57	853.31	50			2	0.0	3.9		23.5									Remove 1 existing headwall & pipe; Relocate to new ditch line with new pipe
46	128+76.2	X			33.9	15	3	CMP	43.0		0.92	852.78	852.61	50			2	0.0	5.3		0.0									Remove existing pipe; Relocate to new ditch line with new pipe
47	130+77.0			X		15	1	RCP	7.5			852.32		75			1	0.0	0.0		0.0									Remove 1 existing headwall; Extend 6.5 ft. West
48	131+12.1		X		57.2	15	3	CMP																						no work to be done
49	131+55.1	X			33.7	15	3	CMP	46.0		0.53	852.55	852.48	50			2	0.0	0.0		0.0									Remove existing pipe; Relocate to new ditch line with new pipe
50	132+69.2		X		31.9	15	3	CMP	66.0		1.56		853.00	50			2	0.0	0.0		0.0									Remove 1 existing headwall & pipe; Relocate to new ditch line with new pipe
51	134+08.3	X			32.1	15	3	CMP	49.5		1.22	853.12	852.98	50			2	0.0	7.4		0.0									Remove existing pipe; Relocate to new ditch line with new pipe
52	135+40.6	X			35.3	15	3	CMP	42.5		1.29	852.41	851.99	50			2	0.0	6.0		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
53	135+45.6	X			45.2			Storm Manhole																						no work to be done
54	135+47.9		X		39.7			Regulated Drain																						no work to be done
55	135+57.1			X		21x37	1	CMP	70.0		3.16	851.91	851.91	75			1	27.4	36.7		62.7									Remove 2 existing headwalls & pipe; Relocate 7.5 ft. North (Sta. 135+64.5) & extend to new ditch lines
56	135+85.6	X			46.2			Storm Manhole																						no work to be done
57	137+37.9	X			26.5	15	3	CMP	34.5		0.41	854.62	854.49	50			2	0.0	4.6		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
58	140+36.8			X		18	1	CMP	57.0		1.60	854.98	854.98	75			1	7.4	0.0		25.1									Remove 2 existing headwalls & pipe; Replace with new pipe & Extend each end to new ditch lines
59	149+94.3			X		18	1	Twin CMP	137.0		2.44	858.45	858.26	75			1	21.4	0.0		33.0									Remove 2 existing pipes; Replace with 2 new pipes per standard drawings & Extend each to new ditch lines
60	155+85.0			X		12x24	1	CMP	23.5			861.51	861.41	75			1	0.0	0.0		0.0									Extend 10.0 ft. East & 13.5 ft. West to new ditch lines
61	174+94.2			X		20x29	1	CMP	16.5			857.91	857.90	75			1	0.0	0.0		0.0									Remove 2 existing headwalls; Extend 8.0 ft. East & 8.5 ft. West
62	175+12.4	X			30.1			2'x2' Behive Inlet																						no work to be done
63	176+88.6	X			25.9	15	3	CMP	46.0		0.78	859.35	859.02	50			2	0.0	0.0		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections

** Unless noted otherwise, all PH's to be 7.0 and condition considered to be abraisive

Pipe end sections are not required for pipe ends beyond Obstruction Free Zone (28'-0" from Centerline of mainline)

Lengh of drive (or road) pipes based on a 6:1 slope from edge of pavement of drive (or road) to flow line of pipe or end section minus end section lengths (if end sections req'd)

SILVER G. BOYCE REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER

DATE 5-16-05

DESIGNED: _____ DRAWN: _____

CHECKED: _____ CHECKED: _____

INDIANA DEPARTMENT OF RANSPORTATION

STRUCTURE DATA SHEET

BRIDGE FILE	
DESIGNATION	0200426
SURVEY BOOK	SHEET 39 of 378
CONTRACT	PROJECT
R-27134	SR 19

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LEFT	RIGHT	CROSS	OFFSET	SIZE	DESCRIPTION: PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	FLOW LINE: COVER	UP STREAM	DOWN STREAM	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	FLOWABLE FILL FOR STR. BACKFILL	STRUCTURE BACKFILL	REVETMENT RIPRAP size-mm	PAVEMENT REPLACEMENT FOR STR.	PIPE END SECTION	GRATED BOX END SECTION: TYPE	SLOPE	EA.	SAFETY METAL END SECTION: TYPE	SLOPE	EA.	CONNECT TO STR.	REMARKS
					ft	in			ft		ft	ELEV.	ELEV.	YRS.				yd^3	yd^3	ton	yd2	EA.								
64	178+77.0	X			29.1	15	3	CMP	40.0		1.29	858.49	857.96	50			2	0.0	3.8		17.3	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
65	180+52.5		X		41.6			Regulated Drain																						no work to be done
66	180+72.0		X		33.7			2'x2' Behive Inlet																						Silted full
67	181+41.4	X			29.1			2'x2' Behive Inlet																						no work to be done
68	181+58.7			X		23x37	1	CMP	67.0		1.44	856.15	856.15	75			1	0.0	0.0		0.0									Remove 2 existing headwalls & pipe; Replace & extend to new ditch lines with new pipe
69	183+88.2	X			30.0	15	3	CMP	46.5		0.68	858.82	858.29	50			2	0.0	4.6		0.0									Remove existing pipe; Relocate to new ditch line with new pipe
70	186+98.2	X			36.3	15	3	CMP	44.0		0.50			50			2	0.0	4.6		31.3									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
71	188+27.5	X			28.9	4	4	Perf. Tile	7.5																					Revove existing pipe back to new ditch backslope
72	188+65.5	X			36.7	15	3	CMP	54.5		1.24			50			2	0.0	5.9		35.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
73	189+21.6	X			26.8	15	3	CMP	24.2																					Remove 2 existing headwalls & pipe; Do Not Replace
74	192+07.6	X			29.6	15	1	CMP	62.0		1.47	852.90		75			1	6.2	0.0		24.1	2								Remove 1 existing headwall & pipe; Relocate to new ditch line with new pipe & add 2 end sections
75	195+88.8	X			30.7	15	1	CMP	64.5		1.77	851.53	851.24	75			1	6.3	13.0		29.6	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
76	196+00.0		X		34.6	15	1	CMP	77.5		1.83	851.55	851.06	75			1	6.6	0.0		22.7	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
77	199+31.2	X			32.6	15	3	CMP	57.0		1.31	849.55	848.63	50			2	0.0	0.0		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
78	201+11.5	X			51.2	6	4	CMP																						no work to be done
79	201+13.4			X				SS# 19-29-10.82 (Box)																						no work to be done
80	202+64.2	X			34.7	15	3	CMP	59.5		2.57	847.70	846.11	50			2	0.0	9.5		12.3									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
81	208+04.0	X			29.3	15	3	CMP	51.0		1.32	851.63	851.18	50			2	0.0	0.0		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
82	208+92.5		X		30.0	15	3	CMP	139.0		1.47	852.17	851.69	50			2	0.0	5.2		0.0									Remove 1 existing headwall & pipe; Relocate to new ditch line with new pipe
83	213+50.8	X			26.4	15	3	CMP	56.5		1.70	853.43	853.33	50			2	0.0	0.0		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
84	218+90.0			X				SS# 19-29-11.16 (Box)																						no work to be done
85	222+45.2		X		37.8	18	1	CMP	79.5		1.94	855.16	854.90	75			1	8.4	11.8		31.7									Remove 1 existing headwall & pipe; Relocate to new ditch line with new pipe
86	222+48.0	X			36.2	18	1	CMP	80.5		1.77	854.54	854.18	75			1	7.4	0.0		21.7									Remove 1 existing headwall & pipe; Relocate to new ditch line with new pipe
87	228+11.3	X			33.7	12	3	CMP	55.0		1.05	857.12	856.89	50			2	0.0	0.0		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
88	230+91.8			X		12x19	1	CMP	80.5		1.36	857.60	857.43	75			1	0.0	0.0		0.0									Remove 2 existing headwalls & pipe; Replace & extend to new ditch lines with new pipe
89	235+27.5		X		41.4	3	4	PVC																						no work to be done
90	235+44.0	X			28.7	12	4	VCP																						no work to be done
91	235+54.3		X		33.5	12	3	CMP	20.1									0.0	0.0		0.0									Remove 2 headwalls & pipe; Do Not Replace
92	235+83.3	X			39.9			Storm Inlet																						no work to be done
93	235+83.3	X				4	3	PVC																						no work to be done
94	236+84.0	X			33.1			Sewer Manhole																						no work to be done
95	237+09.3		X		34.0	12	1	CMP	39.6									0.0	7.7		18.8									Remove existing pipe; Do Not Replace
96	237+67.9	X			28.6	18	3	CMP	40.9									0.0	11.3		17.9									Remove existing pipe; Do Not Replace
96A	238+74.6		X		35.5	15	3	CMP	47.5		1.02	857.93	857.76	50			2	0.0	4.8		15.8									Add new pipe
97	239+01.4	X			33.3	15	3	CMP	52.5		1.55	857.55	857.03	50			2	0.0	6.3		17.2									Remove 1 existing headwall & pipe; Relocate to new ditch line with new pipe
98	239+57.0	X			34.5			Sewer Manhole																						no work to be done
99	239+59.7		X		49.0			Sewer Manhole																						no work to be done
100	239+75.1		X		37.1	12	3	RCP	21.3									0.0	0.0											Remove 2 headwalls & pipe; Do Not Replace
101	240+27.6	X			32.5	15	3	CMP	55.0		2.30	856.21	855.48	50			2	0.0	8.3		0.0									Remove existing pipe; Relocate to new ditch line with new pipe
102	240+76.8	X			31.5			Storm Manhole																						no work to be done
103	244+37.5	X			46.9	6		Regulated Drain																						no work to be done
104	244+49.8	X			37.8			2'x2' Behive Inlet																						no work to be done
105	245+38.0			X		24	1	CMP	109.5			853.34	853.33																	slipline pipe
106	245+58.6	X			58.5	6	4	Regulated Drain																						no work to be done
107	245+66.2			X		24	1	CMP	109.5			?	?								0.0									slipline pipe
108	245+92.7	X			40.1			2'x2' Behive Inlet																						no work to be done
109	246+02.6		X		50.3	6	4	Regulated Drain																						no work to be done
110	246+37.1	X			41.0	24	3	CMP																						no work to be done
111	247+17.4	X			43.1	6	4	VCP																						broken; no work to be done (off of R/W)
112	251+05.8		X		36.4	15	3	CMP	60.0		1.42	855.36	855.09	50			2	0.0	0.0		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
113	254+07.3		X		35.0	15	1	CMP	134.5		1.93	856.62	856.00	75			1	6.7	0.0		21.9									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
114	254+86.9	X			66.3			Storm Inlet																						no work to be done
115	254+93.3	X			103.9			Storm Inlet																						no work to be done
116	254+97.2	X			36.8	18	1	CMP										0.0	0.0		0.0	2								Remove 2 existing headwalls & add 2 end sections
117	254+94.2	X			103.6			Sewer Manhole																						no work to be done
118	255+75.7	X			25.8			Sewer Manhole																						Adjust to grade
119	256+03.9		X		23.7			Sewer Manhole																						Adjust to grade

** Unless noted otherwise, all PH's to be 7.0 and condition considered to be abraisive

Pipe end sections are not required for pipe ends beyond Obstruction Free Zone (28'-0" from Centerline of mainline)

Lengh of drive (or road) pipes based on a 6:1 slope from edge of pavement of drive (or road) to flow line of pipe or end section minus end section lengths (if end sections req'd)

STEVEN A. BOYER
No. 900346
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL
DESIGN ENGINEER
DATE 5-16-05

DESIGNED: DRAWN:
CHECKED: CHECKED:

INDIANA
DEPARTMENT OF RANSPORTATION

STRUCTURE DATA SHEET

BRIDGE FILE
DESIGNATION 0200426
SURVEY BOOK
SHEET 40 of 378
CONTRACT R-27134
PROJECT SR 19

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LOCATION: LEFT	LOCATION: RIGHT	LOCATION: CROSS	LOCATION: OFFSET ft	SIZE in	DESCRIPTION: PIPE TYPE	DESCRIPTION: MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH ft	SKEW	FLOW LINE: COVER ft	FLOW LINE: UP STREAM ELEV.	FLOW LINE: DOWN STREAM ELEV.	SERVICE LIFE YRS.	SITE DESIGNATION	pH	BACKFILL METHOD	FLOWABLE FILL FOR STR. BACKFILL yd^3	STRUCTURE BACKFILL yd^3	REVETMENT RIPRAP size-mm ton	PAVEMENT REPLACEMENT FOR STR. yd2	PIPE END SECTION EA.	GRATED BOX END SECTION: TYPE	GRATED BOX END SECTION: SLOPE	GRATED BOX END SECTION: EA.	SAFETY METAL END SECTION: TYPE	SAFETY METAL END SECTION: SLOPE	SAFETY METAL END SECTION: EA.	CONNECT TO STR.	REMARKS
120	255+86.5		X		34.8	15	1	CMP	108.5		1.48	858.23	857.76	75			1	5.3	0.0		21.2									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
121	256+81.3	X			35.9	15	3	CMP	46.0		1.32	857.96	857.78	50			2	0.0	4.0		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
122	259+73.7		X		27.9	15	3	CMP	51.5		1.28	859.99	859.57	50			2	0.0	6.7		27.2	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
123	260+01.2		X		18.8			Sewer Manhole																						Adjust to grade
124	260+78.4	X			35.8	15	3	CMP	50.5		0.62	859.55	859.34	50			2	0.0	0.0		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
125	260+78.4		X		25.7	15	3	CMP	45.5		0.74	860.88	860.49	50			2	0.0	0.0		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
126	262+30.5		X		27.1	15	3	CMP	39.0		0.85	860.94	960.69	50			2	0.0	5.0		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
127	262+95.3			X		15	1	CMP	54.0		2.15	860.39	860.33	75			1	9.4	0.0		24.4	2								Remove 1 existing headwall & pipe; Replace with new pipe; Extend to new ditch lines & add 2 end sections
128	263+55.9		X		29.2	15	3	CMP	40.0		1.14	860.68	860.56	50			2	0.0	4.4		11.7	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
129	263+94.4		X		19.6			Sewer Manhole																						Adjust to grade
130	264+28.0		X		29.1	15	3	CMP	42.5		1.23	860.89	860.76	50			2	0.0	5.0		13.9	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
131	269+32.2	X			28.7	15	3	CMP	53.0		1.47	861.59	861.44	50			2	0.0	0.0		0.0	2								Remove existing pipe; Relocate to new ditch line with new pipe & add 2 end sections
132	273+11.2	X			28.3	12	3	CMP	43.5		0.84	862.65	862.52	50			2	0.0	0.0		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
133	275+75.2			X		15	1	CMP	55.0		2.25	861.76	861.57	75			1	9.5	0.0		24.4	2								Remove 2 existing headwalls & pipe; Replace with new pipe & extend 4.0 ft. East & 4.0 ft. West & add 2 end sections
134	276+55.6		X		30.6	12	4	Vertical Pipe																						no work to be done
135	278+15.9		X		29.1	15	3	CMP	50.0		1.16	862.41	862.36	50			2	0.0	0.0		0.0	2								Remove existing pipe; Relocate to new ditch line with new pipe & add 2 end sections
136	279+48.9		X		33.4	15	3	CMP	55.0		1.02	863.16	862.78	50			2	0.0	6.8		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
137	280+46.4		X		32.0	15	3	CMP	53.0		0.81	863.77	863.44	50			2	0.0	5.6		0.0									Remove existing pipe; Relocate to new ditch line with new pipe
138	281+19.8		X		32.7	12	3	CMP	50.5		0.88	863.77	863.68	50			2	0.0	5.2		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
139	282+24.8		X		32.6	15	3	CMP	65.0		0.83	863.60	863.48	50			2	0.0	7.8		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
140	284+16.5		X		45.4	6	4	Breather Pipe	5.0					50																Relocate 5.0 ft. to the South
141	284+44.5		X		34.6	18	1	CMP	137.0		1.23	863.18	862.62	75			1	19.6	28.4		35.1									Remove existing pipe; Relocate to new ditch line with new pipe
142	285+42.9	X			54.0	12	3	RCP																						no work to be done
143	285+79.7	X			35.4	18	1	CMP	135.0		1.42	862.47	861.99	75			1	18.8	20.4		39.9									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
144	288+64.4		X		30.1	15	3	CMP	51.0		0.90	861.35	861.20	50			2	0.0	0.0		0.0									Remove existing pipe; Relocate to new ditch line with new pipe
145	299+81.0	X			34.1	15	3	CMP	57.0		1.49	858.40	858.17	50			2	0.0	0.0		0.0									Remove existing pipe; Relocate to new ditch line with new pipe
146	299+88.5		X		31.3	18	3	CMP	66.0		1.93	857.80	857.40	50			2	0.0	0.0		0.0									Remove existing pipe; Relocate to new ditch line with new pipe
147	303+77.3		X		30.9	24	3	CMP	61.5		1.00	856.49	856.40	50			2	0.0	0.0		0.0									Remove existing pipe; Relocate to new ditch line with new pipe
148	303+86.3	X			34.7	24	3	CMP	60.0		1.00	856.82	856.59	50			2	0.0	0.0		0.0									Remove 1 existing headwall & pipe; Relocate to new ditch line with new pipe
149	311+75.6			X				SS# 19-80-12.79 (Box)				849.37	848.17																	no work to be done
150	316+76.1	X			30.4	24	3	CMP	61.0		1.00	856.72	856.51	50			2	0.0	0.0		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
151	323+43.8		X		30.3	18	3	CMP	54.0		1.00	859.34	858.27	50			2	0.0	0.0		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
152	335+80.6	X			29.6	15	3	CMP	40.5		1.41	868.79	868.27	50			2	0.0	6.6		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
153	343+43.9	X			36.0	15	1	RCP	85.0		2.61	867.87	867.72	75			1	14.0	12.4		39.4									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
154	343+45.5		X		38.7	15	1	RCP	72.5		1.93	868.39	867.77	75			1	8.6	9.2		38.8									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
155	356+54.4			X		24	1	RCP	22.5			865.50	865.44	75			1	0.0	0.0		0.0									Remove 2 existing headwalls; Extend 11.5 ft. East & 9.0 ft. West to new ditch lines
156	363+55.5			X		24	1	RCP	17.5		2.01	864.81	864.63	75			1	0.0	0.0		0.0									Remove 2 existing headwalls; Extend 7.0 ft. East & 8.5 ft. West; Do Not alter existing ditch line elevations beyond pipe
156-A	366+37.0			X		57x38	1	11.6 sq. ft.	64.0		2.0 +	864.36		75			1	51.1	0.0		37.0									new; Exact location & elevations of pipe to be determined by Tipton County Surveyor; FL elevations can be no higher than given
																														Do Not alter existing ditch line elevations beyond new pipe (County Drain Tile crosses in this immediate area)
157	366+37.0		X		31.5			Behive Inlet																						Reconstruct inlet & adjust to new ditch line elevation per Tipton County Surveyor
158	368+07.9	X			31.6	15	1	CMP	57.0		1.17	865.60	865.42	75			1	5.7	0.0		22.9									Remove existing pipe; Relocate to new ditch line with new pipe
159	378+41.8			X		18	1		59.0		1.88	867.08	867.08	75			1	9.1	0.0		25.2									Remove 1 existing headwall & pipe; Replace with new pipe & Extend each end to new ditch lines
160	379+00.0		X		29.6	15	3	RCP	42.5		1.00	867.40	867.32	50			2	0.0	4.8		16.9	2								Remove 1 existing headwall & pipe; Relocate to new ditch line with new pipe & add 2 end sections
160-A	380+56.5		X		28.5	15	3		56.0		1.05	868.29	867.96	50			2	0.0	4.8		15.9	2								Add new pipe & 2 end sections
161	386+43.4			X		24	1	RCP	22.0			868.74	868.40	75			1	0.0	0.0		0.0									Remove 2 existing headwalls; Extend 8.5 ft. East & 11.5 ft. West to new ditch lines
162	399+08.5	X			34.4	15	3	CMP	42.5		0.87	870.54	870.49	50			2	0.0	4.6		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
163	399+93.7	X			34.4	15	3	CMP	48.5		0.87	870.45	870.35	50			2	0.0	4.5		28.4									Remove existing pipe; Relocate to new ditch line with new pipe
164	401+92.9	X			33.3	15	3	CMP	49.5		1.06	869.78	869.72	50			2	0.0	4.5		28.5									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
165	408+41.5	X			41.0	15	4	Breather Pipe																						no work to be done
166	408+76.5			X		30	1	Twin CMPs	43.0			864.48	864.08	75			1	0.0	0.0		0.0									Remove 2 existing headwalls; Extend 9.5 ft. East & 9.5 ft. West to new ditch lines
167	408+83.3		X		39.0	12	4	Inlet	6.0																					Relocate & Rebuild new inlet at new ditch line
168	416+07.8		X		27.3	15	3	CMP	49.5		1.00			50			2	0.0	0.0		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
169	416+10.4	X			27.7	15	3	CMP	42.0		1.20			50			2	0.0	6.5		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
170	417+27.3	X			27.9	15	3	CMP	41.0		1.47			50			2	0.0	6.7		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
171	417+74.7	X			27.7	12	4	CMP	8.1												0.0									Remove existing concrete slab & pipe; Do Not Replace
172	419+20.9		X		27.3	15	3	CMP	36.5		1.00			50			2	0.0	5.0		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
173	423+75.7		X		30.0	15	3	Plastic	45.0		1.02			50			2	0.0	6.8		11.9	2								Remove existing pipe; Relocate to new ditch line with new pipe & add 2 end sections
174	423+76.6	X			28.4	15	3	CMP	38.0		1.00			50			2	0.0	4.1		0.0	2								Remove existing pipe; Relocate to new ditch line with new pipe & add 2 end sections
175	424+75.9		X		30.0	15	3	CMP	47.0		1.45			50			2	0.0	7.8		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
176	425+04.9	X			28.8	15	3	CMP	38.5		0.83			50			2	0.0	5.5		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
177	426+31.5	X			29.0	15	3	CMP	39.0		0.71			50			2	0.0	4.5		14.9	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
178	427+65.7	X			27.8	12	4	CMP																						no work to be done
179	428+65.9		X		30.7	15	3	CMP	36.5		0.97			50			2	0.0	5.1		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections

** Unless noted otherwise, all Ph's to be 7.0 and condition considered to be abraisive

Pipe end sections are not required for pipe ends beyond Obstruction Free Zone (28'-0" from Centerline of mainline)

Lengh of drive (or road) pipes based on a 6:1 slope from edge of pavement of drive (or road) to flow line of pipe or end section minus end section lengths (if end sections req'd)

STEVEN H. BUTLER REGISTERED No. 900346 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER

DATE 5-16-05

DESIGNED: _____ DRAWN: _____

CHECKED: _____ CHECKED: _____

INDIANA DEPARTMENT OF RANSPORTATION

STRUCTURE DATA SHEET

BRIDGE FILE

DESIGNATION 0200426

SURVEY BOOK

SHEET 41 of 378

CONTRACT R-27134

PROJECT SR 19

STRUCTURE DATA

STRUCTURE NUMBER	LOCATION: STATION	LEFT	RIGHT	CROSS	OFFSET	SIZE	DESCRIPTION: PIPE TYPE	MANHOLE, INLET, CATCH BASIN, OR SPECIALTY STRUCTURE	LENGTH	SKEW	FLOW LINE: COVER	UP STREAM	DOWN STREAM	SERVICE LIFE	SITE DESIGNATION	pH	BACKFILL METHOD	FLOWABLE FILL FOR STR. BACKFILL	STRUCTURE BACKFILL	REVETMENT RIPRAP size-mm	PAVEMENT REPLACEMENT FOR STR.	PIPE END SECTION	GRATED BOX END SECTION: TYPE	SLOPE	EA.	SAFETY METAL END SECTION: TYPE	SLOPE	EA.	CONNECT TO STR.	REMARKS
					ft	in			ft		ft	ELEV.	ELEV.	YRS.				yd^3	yd^3	ton	yd2	EA.								
180	429+73.8		X		33.6	15	3	CMP	44.5		1.40			50			2	0.0	5.0		19.2									Remove existing pipe; Replace with new pipe
181	430+50.8		X		34.1	15	3	CMP	40.0		0.80			50			2	0.0	4.6		0.0									Remove existing pipe; Replace with new pipe
182	431+14.4	X			28.9	15	3	CMP	42.5		1.02			50			2	0.0	4.8		15.8	2								Remove existing pipe; Replace with new pipe & add 2 end sections
183	431+35.0			X		15	1	CMP	54.5		2.31	870.77	870.71	75			1	10.0	13.2		49.0	2								Remove 2 existing headwalls & pipe; Relocate 8.0 ft. North (Sta. 431+43) & extend to new ditch lines & add 2 end sections
184	431+90.5		X		30.0	15	3	CMP	45.5		0.80			50			2	0.0	5.6		0.0									Remove existing pipe; Relocate to new ditch line with new pipe
185	432+43.8		X		32.0	15	3	CMP	40.0		0.96			50			2	0.0	6.4		0.0									Remove existing pipe; Replace with new pipe
186	432+96.7	X			28.5	15	3	CMP	39.0		0.72			50			2	0.0	4.7		15.7	2								Remove existing pipe; Replace with new pipe & add 2 end sections
187	433+16.9		X		30.3	15	3	CMP	35.5		0.91			50			2	0.0	4.6		0.0	2								Remove existing pipe; Replace with new pipe & add 2 end sections
188	434+18.0		X		28.7	15	3	CMP	38.5		1.09			50			2	0.0	5.3		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
189	434+81.3	X			26.7	15	3	CMP	43.5		1.00			50			2	0.0	4.8		15.8	2								Remove existing pipe; Relocate to new ditch line with new pipe & add 2 end sections
190	446+28.9			X		15	1	CMP	15.5			870.29	869.78	75			1	0.0	0.0		0.0									Remove 2 existing headwalls; Extend 8.0 ft. East & 5.5 ft. West
191	446+89.0		X		41.9	6	4	Plastic																						no work to be done
192	447+56.2	X			33.2	15	3	CMP	54.5		1.00	871.47	871.02	50			2	0.0	0.0		0.0									Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe
193	448+13.3	X			26.0	12	4	CMP	8.2																					Remove existing concrete slab & pipe; Do Not Replace
194	451+07.2		X		26.5	12	4	CMP	8.2																					Remove existing concrete slab & pipe; Do Not Replace
195	451+58.2		X		27.8	15	3	CMP	44.5		1.28	870.58	870.33	50			2	0.0	6.7		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
196	452+31.0		X		32.1	4	4	PVC																						no work to be done
197	452+50.9		X		27.6	15	3	CMP	37.0		1.00	870.25	870.20	50			2	0.0	5.1		0.0	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
198	454+69.5		X		26.8	15	3	CMP	36.0		1.00	869.46	869.35	50			2	0.0	3.8		12.4	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
199	455+10.7		X		26.6	15	3	CMP	33.0		0.90	869.33	869.22	50			2	0.0	3.6		11.1	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
200	457+11.5		X		26.4	15	3	CMP	40.0		0.86	868.71	868.60	50			2	0.0	4.4		14.2	2								Remove 2 existing headwalls & pipe; Relocate to new ditch line with new pipe & add 2 end sections
201	458+79.8		X		33.8	15	3	RCP	45.5		0.53	868.22	868.09	50			2	0.0	4.3		19.0									Remove existing pipe; Relocate to new ditch line with new pipe
202	459+63.5		X		34.8	15	3	CMP	38.5		0.50	867.90	867.73	50			2	0.0	3.5		12.5									Remove existing pipe; Relocate to new ditch line with new pipe
203	460+94.6		X		35.7	15	3	CMP	70.5		0.82	867.49	867.39	50			2	0.0	3.6		37.8									Remove 1 existing headwall & pipe; Relocate to new ditch line with new pipe
204	463+59.2		X		56.5	4	4	Perf. Tile																						no work to be done
205	463+64.7		X		47.7			2'x2' Behive Inlet																						no work to be done
206	463+90.6		X			?	1	?																						no work to be done
207	464+10.8		X			15	1	CMP																						no work to be done
208	466+47.3		X		46.5			2'x2' Behive Inlet																						no work to be done
209	466+58.0		X			12	1	CMP																						no work to be done
210	467+03.1		X			15	1	CMP																						no work to be done
211	469+27.5		X			15	1	CMP																						no work to be done
212	469+35.8		X		47.2			2'x2' Behive Inlet																						no work to be done
213	469+69.2		X		45.3	15	1	CMP																						no work to be done

** Unless noted otherwise, all PH's to be 7.0 and condition considered to be abraisive

Pipe end sections are not required for pipe ends beyond Obstruction Free Zone (28'-0" from Centerline of mainline)

Lengh of drive (or road) pipes based on a 6:1 slope from edge of pavement of drive (or road) to flow line of pipe or end section minus end section lengths (if end sections req'd)

STEVEN R. BOYER REGISTERED No. 90036 STATE OF INDIANA PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER

DATE 5-10-05

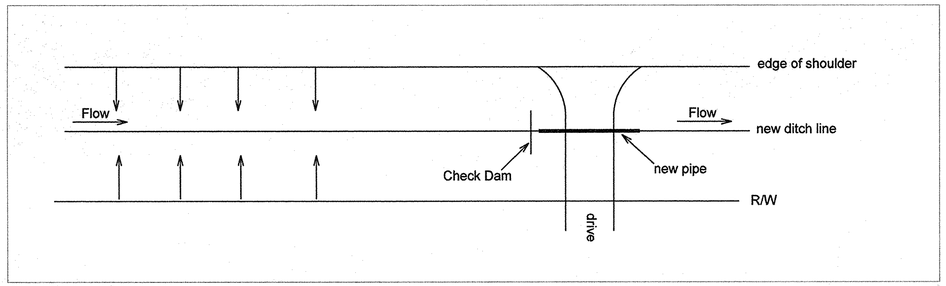
DESIGNED: _____ DRAWN: _____

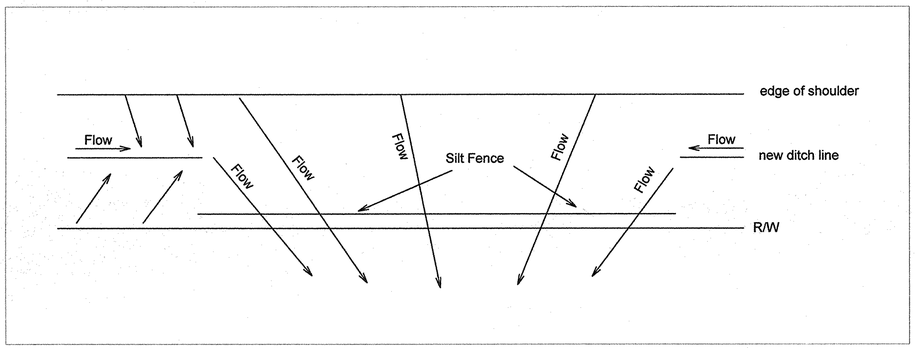
CHECKED: _____ CHECKED: _____

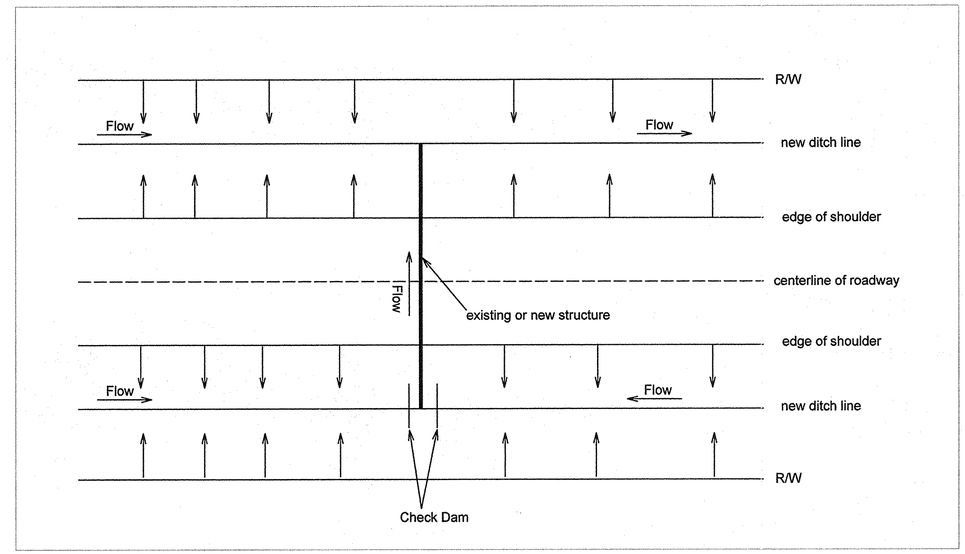
INDIANA
DEPARTMENT OF RANSPORTATION

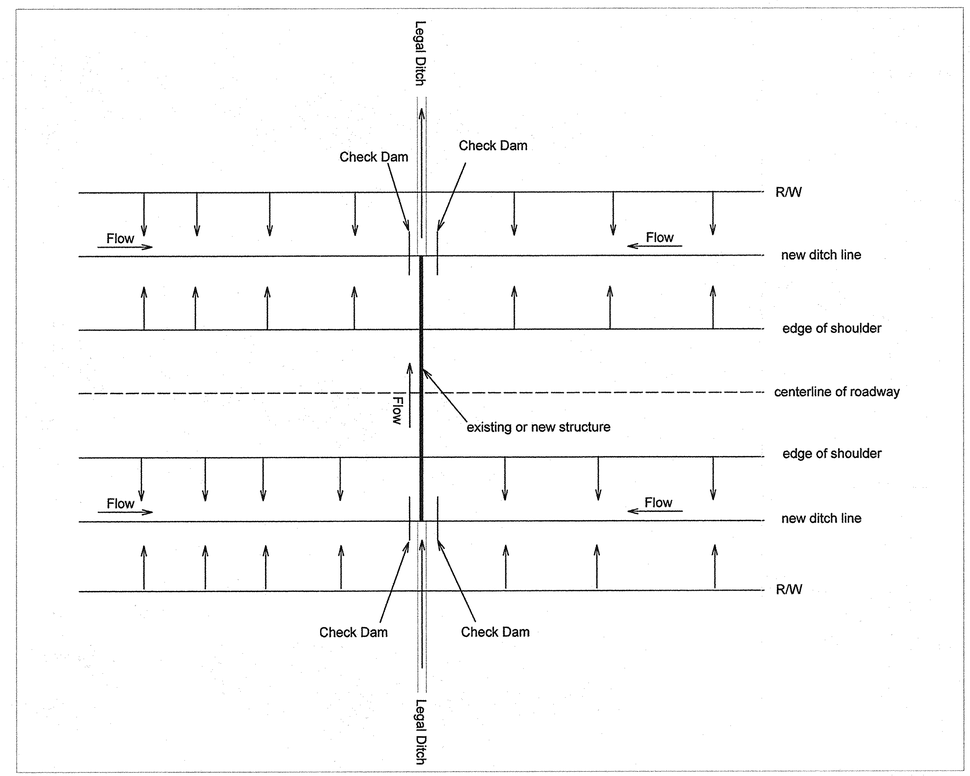
STRUCTURE DATA SHEET

BRIDGE FILE	
DESIGNATION	0200426
SURVEY BOOK	SHEET 42 of 378
CONTRACT	PROJECT
R-27134	SR 19









General Notes:

1. Temporary Check Dam, Straw Bales, shall be placed in accordance to Standard Drawing E 205-TECD-02.
2. Temporary Ditch Inlet Protection, Geotextile Box, shall be placed in accordance to Standard Drawing E 205-TECI-02.
3. Temporary Silt Fence shall be placed in accordance to Standard Drawing E 205-TECP-02.
4. Sediment Control practices shall be installed prior to soil disturbance.
5. Temporary Seeding shall be placed same day as 1 acre of slopes & ditches are completed to slopes and grade.
6. Seeding & Sodding shall be done in accordance with Section 621 of InDOT Standard Specifications.
7. Contractor shall provide a Material and Spill Prevention Plan prior to beginning of construction.
8. The spill prevention plan is to be submitted to the Hamilton County Soil and Water Conservation District. Construction can commence after the spill prevention plan is approved.

RECOMMENDED FOR APPROVAL — DESIGN ENGINEER — DATE 5-16-06	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE: none	DESIGNATION: 0200426
DESIGNED: DRAWN:	EROSION CONTROL	VERTICAL SCALE: none	
CHECKED: CHECKED:		SURVEY BOOK	SHEETS: 43 of 378
		CONTRACT: R-27134	PROJECT: SR 19

STRAW BAIL CHECK DAM LOCATIONS

LT/RT	Check Dam Location	# of Bales wide	LFT needed
Rt	115+50	2	7.0
Lt	115+75	2	7.0
Lt	118+00	2	7.0
Rt	118+50	2	7.0
Lt	120+75	2	7.0
Rt	121+00	3	10.5
Rt	124+50	2	7.0
Lt	125+75	2	7.0
Rt	125+75	2	7.0
Lt	126+25	2	7.0
Rt	126+25	2	7.0
Lt	129+25	2	7.0
Lt	130+50	2	7.0
Lt	131+00	2	7.0
Lt	135+00	2	7.0
Rt	135+50	2	7.0
Lt	137+75	2	7.0
Lt	145+50	2	7.0
Rt	147+00	2	7.0
Lt	149+75	2	7.0
Lt	150+25	2	7.0
Rt	150+25	2	7.0
Lt	154+00	2	7.0
Lt	156+50	2	7.0
Rt	156+50	2	7.0
Lt	165+00	2	7.0
Rt	166+25	3	10.5
Lt	167+50	2	7.0
Lt	171+00	2	7.0
Rt	171+50	2	7.0
Lt	174+75	2	7.0
Rt	174+75	2	7.0
Lt	175+25	2	7.0
Rt	175+25	2	7.0
Lt	178+25	2	7.0
Lt	179+50	2	7.0
Rt	179+50	2	7.0
Lt	181+25	2	7.0
Rt	181+75	2	7.0
Lt	191+00	2	7.0
Rt	192+50	2	7.0
Lt	193+00	2	7.0
Lt	195+50	2	7.0
Rt	195+50	2	7.0
Rt	197+75	2	7.0
Lt	198+75	2	7.0
Rt	199+00	3	10.5
Lt	199+75	2	7.0
Rt	199+75	2	7.0
Rt	200+00	2	7.0
Rt	200+50	2	7.0
Rt	201+00	2	7.0
Rt	202+25	2	7.0
Rt	202+50	2	7.0
Lt	203+00	2	7.0
Rt	204+00	2	7.0
Lt	204+25	2	7.0
Rt	205+25	2	7.0
Rt	206+75	2	7.0
Lt	207+25	2	7.0
Rt	209+50	2	7.0
Lt	211+00	2	7.0
Rt	212+00	2	7.0
Rt	215+50	2	7.0
Lt	217+00	2	7.0
Lt	223+00	2	7.0
Rt	223+00	2	7.0
Rt	224+00	2	7.0
Lt	225+50	2	7.0

STRAW BAIL CHECK DAM LOCATIONS

LT/RT	Check Dam Location	# of Bales wide	LFT needed
Rt	228+00	2	7.0
Lt	230+50	2	7.0
Rt	231+25	2	7.0
Rt	239+75	2	7.0
Lt	241+50	2	7.0
Rt	244+75	2	7.0
Lt	250+00	2	7.0
Rt	250+50	2	7.0
Lt	253+50	2	7.0
Rt	254+25	2	7.0
Lt	257+50	2	7.0
Rt	257+50	2	7.0
Rt	260+25	2	7.0
Lt	261+25	2	7.0
Rt	262+90	2	7.0
Rt	263+00	2	7.0
Lt	263+00	2	7.0
Rt	270+00	4	14.0
Lt	270+50	2	7.0
Lt	275+70	2	7.0
Rt	275+70	2	7.0
Lt	275+80	2	7.0
Rt	279+00	2	7.0
Lt	279+25	2	7.0
Lt	284+75	2	7.0
Rt	285+50	2	7.0
Lt	289+50	2	7.0
Rt	289+50	2	7.0
Rt	292+75	2	7.0
Lt	295+50	2	7.0
Rt	298+75	2	7.0
Lt	300+25	2	7.0
Rt	303+25	2	7.0
Lt	303+25	2	7.0
Rt	310+75	2	7.0
Lt	312+00	2	7.0
Rt	312+00	2	7.0
Rt	314+00	2	7.0
Lt	317+25	2	7.0
Rt	319+00	2	7.0
Lt	321+00	3	10.5
Rt	323+00	2	7.0
Rt	324+50	3	10.5
Lt	325+25	4	14.0
Rt	326+25	3	10.5
Lt	326+75	2	7.0
Rt	328+00	2	7.0
Lt	328+25	2	7.0
Rt	329+50	2	7.0
Lt	330+50	2	7.0
Rt	331+75	2	7.0
Lt	332+75	3	10.5
Rt	334+00	2	7.0
Lt	335+00	2	7.0
Rt	336+25	2	7.0
Lt	336+50	2	7.0
Rt	338+50	2	7.0
Lt	340+75	2	7.0
Rt	341+75	3	10.5
Lt	342+50	2	7.0
Lt	349+75	2	7.0
Rt	351+00	2	7.0
Lt	356+50	2	7.0
Rt	356+50	2	7.0
Lt	356+60	2	7.0
Rt	356+60	2	7.0
Lt	363+50	3	10.5
Rt	363+50	3	10.5
Lt	363+60	3	10.5

STRAW BAIL CHECK DAM LOCATIONS

LT/RT	Check Dam Location	# of Bales wide	LFT needed
Rt	363+60	3	10.5
Lt	366+25	2	7.0
Rt	366+25	2	7.0
Lt	366+50	2	7.0
Rt	366+50	2	7.0
Rt	374+75	2	7.0
Lt	377+50	3	10.5
Rt	379+50	2	7.0
Lt	381+50	2	7.0
Rt	382+25	2	7.0
Lt	386+25	2	7.0
Rt	386+25	2	7.0
Lt	386+50	2	7.0
Rt	386+50	2	7.0
Lt	389+50	2	7.0
Lt	403+25	2	7.0
Rt	403+25	2	7.0
Lt	404+75	2	7.0
Rt	404+75	2	7.0
Lt	406+00	2	7.0
Rt	406+50	2	7.0
Lt	408+50	2	7.0
Lt	408+75	2	7.0
Rt	408+75	2	7.0
Rt	409+00	2	7.0
Lt	445+25	2	7.0
Rt	445+25	2	7.0
Lt	448+00	2	7.0
Lt	451+25	2	7.0
Rt	453+25	2	7.0
Rt	457+50	2	7.0
Rt	463+00	2	7.0
	TOTAL	356	1246

SILT FENCE LOCATIONS

LT/RT	Station to	Station	Length needed (LFT)
Lt	135+75	137+25	150
Lt	426+50	427+50	100
Rt	427+00	433+00	600
Lt	429+50	436+00	650
Rt	434+50	436+00	200
Rt	439+50	440+75	125
	TOTAL		1825

INLET PROTECTION LOCATIONS

LT/RT	Station	# needed (each)
Lt	175+12	1
Rt	180+72	1
Lt	181+41	1
Lt	244+50	1
Rt	366+37	1
Rt	408+82	1
	TOTAL	6

Length of Check Dam based on an assumed average straw bale length of 3'-6"

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER 5-16-06 DATE

DESIGNED: DRAWN:

CHECKED: CHECKED:

INDIANA DEPARTMENT OF TRANSPORTATION

EROSION CONTROL TABLE

	BRIDGE FILE
	DESIGNATION 0200426
SURVEY BOOK	SHEET 44 of 378
CONTRACT R-27134	PROJECT SR 19